



CMS

CMS-Z510

CMS-560

CMS-5142

CMS-5162

CMS-5166

CMS-4551

CMS-2301

CMS-2302





Features

- 英特尔® 凌动™ 处理器 Z510P-1.1GHz, Z530P-1.6GHz
- Intel® SCH Poulsbo
- 板载 1GB DDR2 内存
- 英特尔® GMA500 集成图形处理器
- 2个 PCIe 1x, 8个 USB

Specification

Processor	CPU	Intel® Atom™ processor Z510P-1.1GHz / Z530P-1.6GHz
System	CPU Socket	Onboard
	Front Side Bus	400/533MHz
	chipset	Intel® SCH Poulsbo
	BIOS	System BIOS: AMI 8Mbit
System Memory	Technology	Single Channel DDR2 667 MHZ
	Max.Capacity	Up to 1GB
	Socket	Onboard
Display	Graphic	Intel® Integrated Graphics Media Accelerator 500
	LVDS	Support Single Channel 18/24Bit output Max.Resolution up to: 1366 * 768
	VGA	Converting from SDVO to VGA via CH7317(Optional) Max.Resolution up to: 1920 * 1080
	DVI	Converting from SDVO to DVI via CH7307(Optional) Max.Resolution up to: 1920 * 1080
	HDMI	Converting from SDVO to HDMI via CH7315 (Optional) Max.Resolution up to: 1920 * 1080
	TVOUT	Converting from SDVO to CVBS via CH7021 (Optional)
	Dual Display	LVDS + TVOUT, LVDS + VGA, LVDS + HDMI, LVDS + DVI (Optional)
Ethernet	Controller	Realtek or Intel Gbe LAN (Optional)
Audio	Controller	Realtek ALC662/883/887 5.1/7.1CH HD codec
	Amplifier	2CH, Load form a 12-V Supply (Optional)
Super I/O	Controller	Winbond-83627HG/-83627DHG-P / SCH3114 / 3116 /
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	Fanless
I/O Interface	USB	6 * USB2.0/1.1 2 * USB2.0 (Only)
	Serial	2 ~ 6 Serial Port (Optional)
	Parallel	Supported
	PS/2	Supported
	IrDA	Supported
	GPIO	Supported
	Smbus	Supported
	PCIeX1	2 * PCIe x 1
	PCI	Converting from 1 * PCIe to 4 * PCI via P17C9X112SL
	Mini-PCIe	Supported
Storage	SATA	Converting from IDE to 2 * SATA via JM20330
	IDE	Single Channel IDE (Optional)
	eSATA	N/A
	CF card	Supported
Power Source	Power	DC-in (12V/5V) (Optional)
	Consumption	Max.PW:7W; Standby PW:0.24W
Environment	Working temp.	-20 ~ 70°C, -40°C ~ 85°C (Optional)
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Storage Humidity	0% ~ 90% relative humidity, non-condensing
	Dimensions	100mm * 75mm
Regulatory Compliance	Weight	0.051Kg
		FCC, CE, RoHS compliant

Order Information

CMS-Z510P

Intel Z510P-1.1GHz with 1GB DDR2, CMS-240 BUS

CMS-Z530P

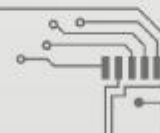
Intel Z530P-1.6GHz with 1GB DDR2, CMS-240 BUS

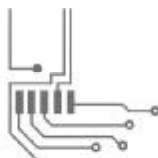
CMS-Z512P

Intel Z510P-1.1GHz with 512M DDR2, CMS-240 BUS

CMS-Z510PT

Intel Z510PT-1.1GHz with 1GB DDR2 with Wide operating temperature, CMS-240 BUS





CMS-560

Low Power, High Reliable and High Performance Core Module System



Intel® Cedar N2600
G82NM10



Onboard
Memory



PCIe



VGA/LVDS/DVI



7.1 Channel
Audio



Gigabit LAN

Features

- Intel® Cedar Trail Processor N2600/2800
- Onboard 1GB/2GB DDR3
- Intel® Graphics Media Accelerator 3600/3650
- 8 * USB, 4 * PCIe 1x

Specification

Processor	CPU	Intel® Atom™ processor Z510P-1.1GHz/Z530P-1.6GHz
System	CPU Socket	Onboard
	Front Side Bus	800/1066Mhz
	Chipset	G82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Onboard 1GB/2GB DDR3 (Optional)
	Max.Capacity	Up to 2GB
	Socket	N/A
Display	Graphic	Intel® Graphics Media Accelerator 3600/3650
	DP	Max.Resolution: Up to 1600 * 1200(Optional) N/A
	LVDS	Support single channel 18/24 bits LVDS Max.Resolution:Up to 1366 * 768
	DVI	Max.Resolution: Up to 1920 * 1200 (Optional) N/A
	HDMI	Max.Resolution: Up to 1920 * 1200 (Optional) N/A
	VGA	Onboard DB-15 CRT Port Max.Resolution: Up to 1920 * 1200
	Dual Display	LVDS + DP, LVDS + VGA, LVDS + HDMI, LVDS + DVI (可选)
Ethernet	Controller	N/A
		N/A
Audio	Controller	Realtek ALC887 HD audio codec
Super I/O	Controller	N/A
H/W Monitor	Watchdog Timer	Timer 1 ~ 255 sec.; Support System Reset
	Smart Fan	N/A
TPM	Controller	Supported
I/O Interface	USB	8 * USB 2.0/L1.1 compatible
	Serial	2 * RS-232 (3 line TTL)
	Parallel	Supported
	PS/2	1 * PS/2
	GPIO	5 input, 5 output
	IEEE 1394	N/A
Expansion Slot	SmBus	1 * SM Bus, 1 * LPC Bus, 1 * I2C Bus
	PCIeX4	N/A
	PCIeX1	4 * PCIe 1x
	PCI104	N/A
	PCI	N/A
	Mini-PCIe	Supported
Storage	SATA	2 * SATA
	IDE	N/A
	SSD	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power	DC-in 5V @ 6A
	Consumption	Max.PW: 7W; Standby PW:0.92W
Environment	Working temp.	-20°C ~ 70°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity non-condensing
	Storage Humidity	0% ~ 90% relative humidity non-condensing
Form Factor	Dimensions	100mm * 75mm
	Weight	0.060Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

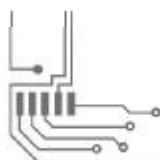
CMS-Z560

Intel N2600-1.6GHz with 2GB DDR3, CMS-240 BUS

CMS-Z580

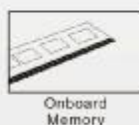
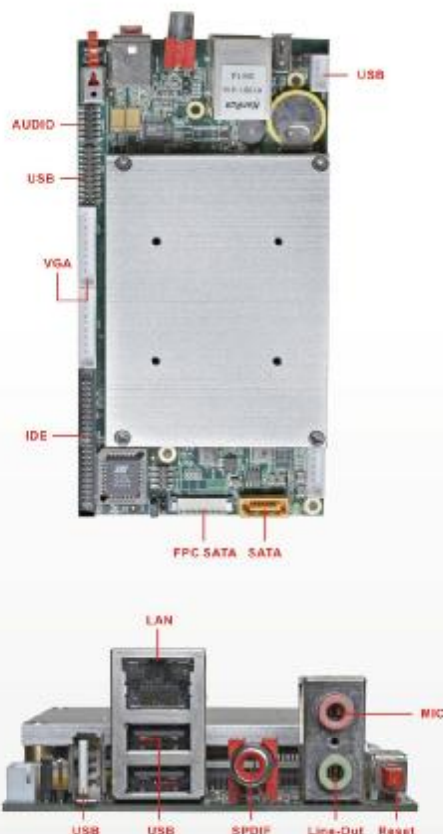
Intel N2800-1.86GHz with 2GB DDR3, CMS-240 BUS





CMS-5142

Low Power, High Reliable and High Performance Intel Interactive Projector Solution



Features

- Intel® ATOM™ Processor Z510-1.1GHz/Z530-1.6GHz
- Intel® SCH Paulsbo
- Onboard 1GB DDR2 Memory
- Intel Graphics Media Accelerator 500 supports full hardware acceleration
- Display type: 24-bit LVDS/VGA
- 10/100/1000 Mbps LAN

Specification

Processor System	CPU	Intel® ATOM™ Processor Z510-1.1GHz/Z530-1.6GHz
	Front Side Bus	400 / 533MHz
	chipset	Intel® SCH Paulsbo
System Memory	BIOS	System BIOS: AMI 8Mbit LPC (PLCC32)
	Technology	Single Channel DDR2 667 MHz
	Max.Capacity	Up to 1GB
Display	Socket	N/A
	Graphic	Intel® GMA500 Integrated Graphics
	LVDS	Supports single channel 18bit/24bit LVDS Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	N/A
	VGA	SDVO convert to VGA via CH7317A Resolution: Up to 1920 * 1080
	Dual Display	N/A
Ethernet	Controller	LAN1: Realtek RTL-8111D Gbe LAN LAN2: N/A
	Audio	Controller: Realtek ALC883 7.1CH audio codec N/A
Super I/O H/W Monitor I/O Interface	Controller	Winbond-83627HG
	WatchdogTimer	Winbond-83627HG
	USB	5 * USB2.0/1.1
	Serial	N/A
	Parallel	N/A
	PS/2	N/A
	IrDA	N/A
Expansion Slot	GPIO	N/A
	Smbus	N/A
	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI04	N/A
	PCI	N/A
Storage	Mini-PCIe	1 * Mini-PCIe 1x Slot
	SATA	1 * SATA
	IDE	1 * IDE
	eSATA	N/A
	Compactflash	N/A
Power Source	Power	DC-in 12V @ 3A
	Consumption	Typical Consumption:7W Standby Consumption:0.24W
Environment	Working temp.	-20 ~ 70°C, -40°C ~ 85°C (可选)
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity noncondensing
	Storage Humidity	0% ~ 90% relative humidity noncondensing
Form Factor	Dimensions	165mm * 85mm
	Weight	0.286Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

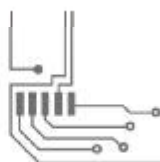
ENC-5142

Intel Z510P-1.1GHz with 1GB DDR2, VGA, LVDS, 1Gbe LAN, 6USB, SATA, Mini-PCIE

ENC-5342

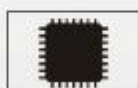
Intel Z530P-1.6GHz with 1GB DDR2, VGA, LVDS, 1Gbe LAN, 6USB, SATA, Mini-PCIE





CMS-5162

Low Power, High Reliable and High Performance Intel HMI Solution



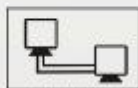
Intel® Atom™ Z510
US15WP



Onboard
Memory



VGA/LVDS



Dual LAN



7.1 Channel
Audio

Features

- Intel® Atom processor Z510P 1.1 Ghz, Z530P 1.6Ghz
- Intel® System Controller Hub US15WP
- Onboard 1GB DDR2 Memory
- Intel® Graphics Media Accelerator 500 support full hardware acceleration
- Display type: 24-bit LVDS/VGA
- 10/100/1000 Mbps LAN

Specification

Processor System	CPU	Intel® Atom™ Processor Z510-1.1GHz/Z530-1.6GHz
	Front Side Bus	400/533MHz
	chipset	Intel® SCH Poulisbo
System Memory	BIOS	System BIOS: AMI 8Mbit LPC (PLCC32)
	Technology	Single Channel DDR2 667 MHZ
	Max.Capacity	Up to 1GB
Display	Socket	Onboard
	Graphic	Intel® GMA500 Integrated Graphics
	LVDS	Supports single channel 18bit/24bit LVDS Resolution: Up to 1366 * 768
Ethernet	DVI	N/A
	HDMI	N/A
	N/A	N/A
	VGA	SDVO convert to VGA via CH7317A Resolution: Up to 1920 * 1080
	Dual Display	VGA + LVDS
	Controller	LAN1:10/100/1000Mbps- Realtek 8111C LAN2:10/100Mbps- Realtek 8100CL
Audio	Controller	Realtek ALC883 HD Audio codec
Super I/O		SMSC 3116
H/W Monitor	Controller	Programmable 1 ~ 255 sec/min; System Reset
I/O Interface	WatchdogTimer	6 * USB2.0/1.1Ports
	USB	6个(5个RS-232, 1个RS-232/RS-485)
	Serial	1 (SPP/EPP)
	Parallel	Supports 1*PS/2 KB and 1*PS/2 mouse
	PS/2	Supported
	IrDA	N/A
	GPIO	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PC104	32Bit PCI BUS Accord with Europe Pin-Socket Standard
	PCI	N/A
	Mini-PCIe	N/A
Storage	SATA	1 * SATA (22Pin standard SATA)
	IDE	Standard 44Pin IDE Interface Header
	eSATA	N/A
	Compactflash	N/A
Power Source	Power	12V/3A and 5V/10A DC adapter
	Consumption	Typical Consumption:12W Standby Consumption:0.24W
Environment	Working temp.	-20 ~ 70°C, -40°C ~ 85°C (Optional)
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	173mm * 178mm
	Weight	0.418Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

ENC-5162

Intel Z510P-1.1GHz with 1GB DDR2, VGA, LVDS, 1GB LAN, 1 100M LAN, 6USB, SATA, 4COM, PCI

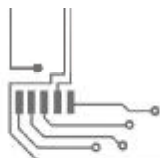
ENC-5362

Intel Z530P-1.6GHz with 1GB DDR2, VGA, LVDS, 1GB LAN, 1 100M LAN, 6USB, SATA, 4COM, PCI

ICN-M204

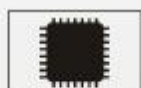
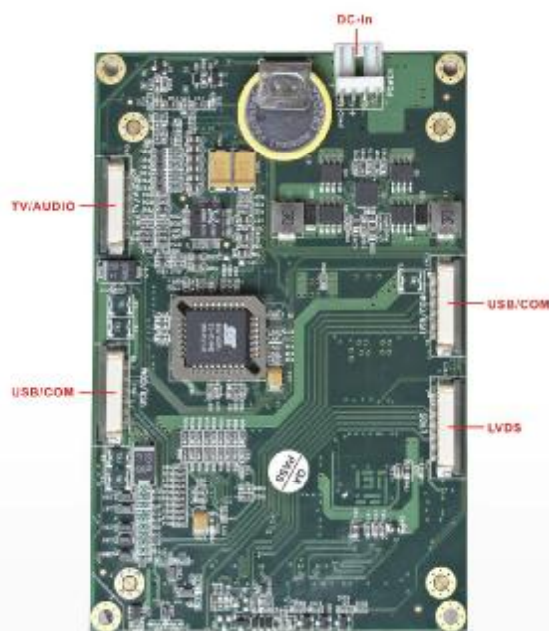
Expansion Board for Special PCI Socket to 3 PCI Slot





CMS-5166

Low Power, High Reliable and High Performance Intel CARPC Solution



Intel® Atom™ Z510
US15WP



Onboard
Memory



LVDS + TV



7.1 Channel
Audio

Features

- Intel® Atom processor Z510P-1.1 GHz, Z530P-1.6GHz + US15WP
- Onboard 1GB DDR2 Memory
- Intel Graphics Media Accelerator 500 support full hardware acceleration
- Display type: 24bit LVDS/TVOUT
- Onboard 4GB/8GB/16GB SST SSD
- 8 * USB, 4 * RS-232 (TTL Signal)

Specification

Processor	CPU	Intel® Atom™ processor Z510P-1.1GHz / Z530P-1.6GHz
System	FSB	400/533MHz
	Chipset	Intel® SCH Poulsbo
	BIOS	System BIOS, AMI 8Mbit LPC (PLCC32)
System Memory	Technology	Single Channel DDR2 667 MHZ
	Max.Capacity	Up to 1GB
	Socket	Onboard
Display	Graphic	Intel® Integrated Graphics Media Accelerator 500
	LVDS	Support Single Channel 18/24Bit output Max.Resolution up to 1366 * 768
	DVI	N/A
	HDMI	N/A
	TVOUT	Converting from SDVO to LVDS Via CH7021
	Dual Display	LVDS + TV
	Ethernet	Controller N/A
Audio	Controller	Realtek ALC888 7.1CH Audio Codec
	Amplifier	N/A
	Super I/O	Controller SMSC 3114
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	N/A
I/O Interface	USB	6 * USB2.0/1.1, 2 * USB2.0 (Only)
	Serial port	4 * RS-232 (TTL Signal)
	Parallel port	N/A
	PS/2	N/A
	IrDA	N/A
	GPIO	N/A
	Smbus	N/A
	Expansion Slot	PCIeX16 N/A
		PCIeX4 N/A
		PCIeX1 N/A
		PC104 N/A
		PCI N/A
Storage	Mini-PCIe	N/A
	SATA	N/A
	IDE	Onboard SST SSD (8/16G)
	eSATA	N/A
	Compact Flash	N/A
Power	Power	DC-in 12V @ 3A
Source	Consumption	Typical Consumption:12W Standby PW:0.24W
Environment	working Temp.	-20 ~ 70°C, -40°C ~ 85°C (Optional)
	Storage Temp.	-40°C ~ 85°C
	working Humidity	0% ~ 90% relative humidity - non-condensing
	Storage Humidity	0% ~ 90% relative humidity - non-condensing
Form Factor	Dimensions	120 * 80mm
	Weight	0.219Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

ENC-5166

Intel Z510P-1.1GHz CPU with 1GB DDR2, 8G SSD, TVOUT/LVDS, 4*COM, 8*USB, DC 12V IN SBC

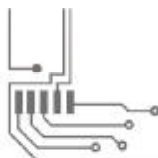
ENC-5166PT

Intel Z510PT-1.1GHz CPU with 1GB DDR2, 8G SSD, TVOUT/LVDS, 4*COM, 8*USB, DC 12V in with Wide operating temperature SBC

Optional peripherals : SSD

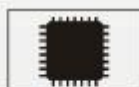
8G ~ 32G





CMS-4551

Low Power, High Reliable and High Performance Intel Interactive Projector Solution



Intel Atom N455
+ CG82NM10



Onboard
Memory



VGA+LVDS+TV



Gigabit LAN



5.1 Channel
Audio

Features

- Intel® Atom™ Cedar Trail Processor N2600/2800
- I/O Interface can be customized
- Onboard 1GB DDR3 Memory
- Intel® Integrated Graphics Media Accelerator 3600/3650, support full hardware acceleration
- Display type: 18/24bit LVDS+VGA+TV

Specification

Processor	CPU	Intel® Atom™ Cedar Trail Processor N2600/2800
System	CPU Socket	Onboard
	FSB	667MHz
	Chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Single Channel DDR3 667 MHZ
	Max.Capacity	Up to 2GB
	Socket	Onboard 1GB
Display	Graphic	Intel® Integrated Graphics Media Accelerator 3600/3650
	LVDS	Support Single Channel 24Bit output Resolution up to 1280 * 800 or 1366 * 768
	VGA	1 * DB15 VGA port
	DVI	N/A
	HDMI	N/A
	TVOUT	Support CVBS(PAL) & SVIDEO
	Dual Display	LVDS + VGA + TV
Ethernet	Controller	LAN1: Realtek RTL-8111D Gbe LAN
Audio	Controller	Realtek ALC662 5.1CH Audio Codec (Right&Left Audio Channel+MDC)
	Amplifier	Max.PW:10W
Super I/O	Controller	Winbond-83627DHG-P
H/W Monitor	Watchdog Timer	Programmable 1~255 sec.; Support System Reset
	Smart Fan	3 pin DC Fan control
I/O Interface	USB	4 * USB2.0/1.1(UP TO 6)
	Serial port	2 * RS-232 (TTL Signal)
	Parallel port	N/A
	PS/2	1 * PS/2
	IrDA	N/A
	GPIO	N/A
	Smbus	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	N/A
Storage	SATA	2 * SATA
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power	DC-in 12V @ 3A
	Consumption	Typical Consumption:12W
Environment	working Temp.	0 ~ 70°C
	Storage Temp.	-20° ~ 80°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	146mm * 80mm
	Weight	0.148kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

CMS-4551

Intel ATOM Processor N455-1.6GHz with 1GB DDR3, VGA, LVDS, TV, 1GB LAN, 4USB, SATA, PS/2, COM

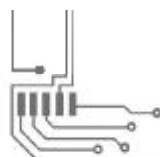
ENC-4751

Intel ATOM Processor N475 1.83GHz with 1GB DDR3, VGA, LVDS, TV, 1GB LAN, 4USB, SATA, PS/2, COM

ICN-M206

COM, TV, LAN, S-Vedio, VGA, 2*USB





CMS-2301

AMD® Fusion APU with High Performance for Full HD Digital Signage



AMD eBrazos+
Hudson-M1



SODIMM
DDR3 1066



VGA+LVDS



Gigabit LAN



7.1 Channel
Audio

Features

- AMD Fusion Series APU
- Support Dual 1080P Video Output with T56N or T48N
- Hardware Decode for 1080P MPEG-2, H.264 and VC-1 Playback
- Mini-PCIe Support WIFI, 3G (with USIM Slot), Tv tuner Card
- 10 * TTL Signal
- Support DirectX 11® Support OpenGL 3.0
- Dual Display VGA + LVDS

Specification

Processor	CPU	AMD® Embedded Processor G-Series APU
System	CPU Socket	Onboard
	FSB	800/1066/1333MHZ
	Chipset	AMD® eBrazos + Hudson-M1
	BIOS	AMI EFI BIOS
System Memory	Technology	Dual channel DDR3 800/1066/1333MHZ FSB
	Max.Capacity	Up to 4GB
	Socket	Onboard
Display	Graphic	AMD® Radeon™ HD6 series support DirectX® 11
	LVDS	Support Dual channel 18, 24-bit Resolution: up to 1920 * 1200 (Support 1080P)
	VGA	Onboard pin header 2 * VGA Resolution: up to 2560 * 1600
	HDMI	N/A
	Display Port	N/A
		N/A
	Dual Display	CRT + LVDS, CRT + CRT
Ethernet	Controller	LAN1: Realtek 8111E GbE LAN LAN2: N/A
Audio	Controller	Realtek ALC662 HD audio codec (Line-out) Max. PW: 6W
Super I/O	Controller	ITE IT8728F + ITE IT8760E
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System reset
	Smart Fan	1 * 3 Pin DC Fan control
	Controller	N/A
I/O Interface	USB	8 * USB2.0/1.1 Compatible
	Serial Port	10 TTL Signal
	Parallel Port	N/A
	PS/2	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe support 3G module
Storage	USIM	1 * Slot support standard SIM
	SATA	2 * SATA II, Max. Transfer Rate 3Gb/s
	SSD	N/A
	IDE	N/A
	eSATA	N/A
Power	Compact Flash	N/A
Power Source	Power	DC-in 12V@3A
	Consumption	Typical Consumption:20W
Environment	Working Temp.	0°C ~ 70°C
	Storage Temp.	-40°C ~ 85°C
	working Humidity	0%~90% relative humidity · non-condensing
	Storage Humidity	0%~90% relative humidity · non-condensing
Form Factor	Dimensions	165 mm * 116.5 mm
	Weight	0.3Kg
Regulatory Compliance		FCC, CE, RoHS Compliant

Order Information

CMS-2301-T56N

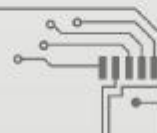
AMD Dual Core T56N-1.6GHz CPU, 2*VGA/LVDS, 10*COM, 8*USB, 1*GbE LAN

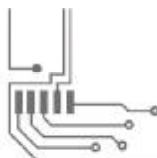
CMS-2301-T48N

AMD Dual Core T48N-1.4GHz CPU, 2*VGA/LVDS, 10*COM, 8*USB, 1*GbE LAN

Optional peripherals: SATA HDD\WIFI\3G

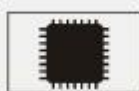
160G ~ 500G \ Y \ Y





CMS-2302

AMD® Fusion APU with High Performance for Full HD Digital Signage



AMD eBrazos+
Hudson-M1



Mini PCIe



7.1 Channel
Audio



VGA+LVDS

Features

- AMD® Fusion Series APU
- Support Dual 1080P Video Output with T56N or T48N
- Support DirectX 11®, Support OpenGL 3.0
- Mini-PCIe Support WIFI, 3G (with USIM Slot), Tv tuner Card
- 10 TTL Signal
- Hardware Decode for 1080P MPEG-2, H.264 and VC-1 Playback
- Dual display VGA + LVDS

Specification

Processor	CPU	AMD® Embedded Processor G-Series APU
System	CPU Socket	Onboard
	FSB	800 / 1066 / 1333 MHZ
	Chipset	AMD®eBrazos + Hudson-M1
	BIOS	AMI EFI BIOS
System Memory	Technology	Dual Channel DDR3 800 / 1066 / 1333MHz FSB
	Max.Capacity	Up to 4GB
	Socket	Onboard
Display	Graphic	AMD® Radeon™ HD6 Series Support DirectX® 11
	LVDS	Support Dual Channel 18/24bit Resolution: up to 1920 * 1200 (Support 1080P)
	VGA	Onboard pin header 1 * VGA Resolution: up to 2560 * 1600
	HDMI	N/A
	Display Port	N/A
	Dual Display	CRT + LVDS
Ethernet	Controller	LAN1: Realtek 8111E GbE LAN
		LAN2: N/A
Audio	Controller	Realtek ALC662 HD audio codec (Line-out)
		Max. PW: 6W
Super I/O	Controller	ITE IT8728F + ITE IT8760E
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec; Support System reset
	Smart Fan	1 * 3 Pin DC Fan control
	Controller	N/A
I/O Interface	USB	8 * USB2.0/1.1 Compatible
	Serial Port	10 TTL Signal
	Parallel Port	N/A
	PS/2	N/A
	GPIO	N/A
	IEEE 1394	N/A
	Expansion Slot	N/A
Storage	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe support 3G module
	USIM	1 * Slot support standard SIM
	Compact Flash	N/A
Power	SATA	2 * SATA II, Max.Transfer Rate 3Gb/s
	SSD	N/A
	IDE	N/A
	eSATA	N/A
Source	Power	DC-in 12V@3A
	Consumption	Typical Consumption:20W
	Working Temp.	0°C ~ 70°C
	Storage Temp.	-40°C ~ 85°C
Environment	working Humidity	0%~90% relative humidity non-condensing
	Storage Humidity	0%~90% relative humidity non-condensing
Form Factor	Dimensions	165 mm * 116.5 mm
	Weight	0.3Kg
Regulatory Compliance		FCC, CE, RoHS Compliant

Order Information

CMS-2302-T48N

AMD Dual Core T48N-1.4GHz CPU, Onboard SSD, VGA/LVDS, 10*COM, 8*USB, 1*GbE LAN

CMS-2302-T40R

AMD Single Core T40R-1.0GHz CPU, Onboard SSD, VGA/LVDS, 10*COM, 8*USB, 1*GbE LAN

Optional peripherals : **Onboard SSD\WIFI\3G**

8G ~ 32G \ Y \ Y





Arrivals

06:35	Johannesburg	AA6444	Expected 19:14
07:10	Delhi	BA142	Bags arriving
12:35	Rio de Janeiro	BA248	Estimated 09:46
14:25	Copenhagen	AA6535	Bags arriving
14:25	Tokyo	BA006	Bags arriving
14:30	Edinburgh	BA1445	Bags delivered
14:55	Hamburg	BA969	Bags arriving
15:00	Berlin	BA983	Bags arriving
15:00	Nice	AA6735	Bags arriving
15:00	Paris CdG	BA315	Bags delivered
15:05	Amsterdam	BA435	Bags arriving
15:15	Pisa	BA601	Landed 15:23
15:15	Frankfurt	BA905	Bags arriving
15:20	Beijing	BA038	Expected 16:16
15:20	Glasgow	BA1487	Bags arriving
15:35	Zurich	BA715	Landed 15:26
15:35	Abuja	BA082	Expected 16:24
15:45	Dar es Salaam	BA046	Arrived 15:25
15:45	Kiev	BA883	Expected 15:37
15:55	Sofia	BA891	Expected 16:13
15:55	Geneva	BA731	Expected 15:55
15:55	Algiers	BA895	Landed 15:30
16:05	Prague	BA859	Expected 15:40
16:15	Newcastle	BA1333	Expected 16:02
16:20	Delhi	BA256	Expected 20:40

16:20	Brussels	BA
16:30	Manchester	BA
16:30	Aberdeen	BA
16:35	Shanghai	BA
16:40	Rome	BA
16:45	Stockholm	BA
16:50	Athens	BA
16:50	Edinburgh	BA
16:55	Amsterdam	BA
16:55	Milan-Linate	BA
17:00	Bucharest	BA
17:05	Munich	BA
17:05	Copenhagen	BA
17:20	Berlin	BA
17:25	Paris CdG	BA
17:25	Nice	BA
17:30	Geneva	BA
17:35	Zurich	BA
17:35	St Petersburg	BA
17:40	Tripoli	BA
17:55	Stuttgart	BA
18:05	Manchester	BA
18:10	Edinburgh	BA
18:10	Mumbai	BA
18:10	Basel	BA

SAMSUNG

DS

DS

DS-2018

DS-2045

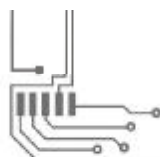
DS-2200

DS-2100

A397	Expected 15:57
A1399	
A1309	Expected 16:05
A168	Expected 17:21
A555	Expected 16:38
A779	Expected 16:48
A641	Expected 16:49
A1453	Expected 16:50
A439	
A563	Expected 17:05
A887	Expected 16:45
A953	Expected 17:03
BA817	Expected 17:01
BA985	
BA319	
BA345	Expected 17:13
BA733	
BA717	
BA879	Expected 17:20
BA899	Expected 17:56
AA6384	
BA1403	
AA6490	
BA198	Expected 18:09
BA755	

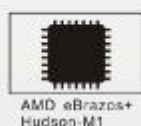
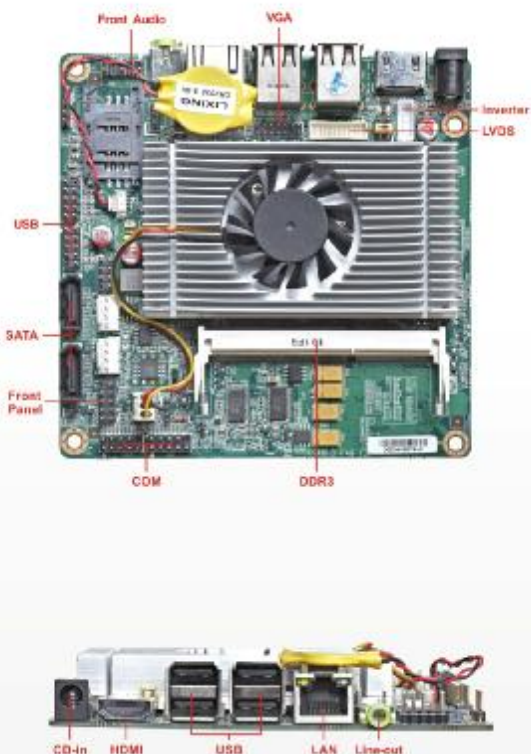
18:15	Moscow	BA873	Expected
18:20	Frankfurt	BA909	
18:20	Warsaw	BA851	
18:25	Paris CdG	AA6534	
18:25	Milan-Malpensa	BA567	
18:25	Dusseldorf	AA6548	
18:40	Oslo	BA767	
18:40	Munich	BA955	
18:40	Glasgow	BA1493	
18:45	Rome	BA559	
18:45	Istanbul	BA677	Esti
18:50	Aberdeen	IB7567	
18:55	Copenhagen	BA819	
19:00	Hamburg	CX7154	
19:00	Newcastle	CX1214	
19:00	Brussels	BA399	
19:05	Lyon	CX7222	
19:15	Lamaca	BA663	
19:25	Geneva	BA735	
19:30	Prague	BA857	
19:30	Frankfurt	BA911	
19:35	Paris CdG	BA325	
19:35	Dusseldorf	BA945	
19:35	Edinburgh	BA1459	
19:35	Boston	BA238	





DS-2018

AMD®Fusion APU with High Performance for Full HD Digital Signage



Features

- AMD® Fusion Series APU
- Support Dual 1080P Video Output with T56N or T48N
- Hardware Decode for 1080P MPEG-2, H.264 and VC-1 Playback
- Multiple video output: HDMI, VGA and LVDS with dual independent display
- Support DirectX 11®, Support OpenGL 3.0
- Mini-PCIe Support WIFI, 3G (with USIM Slot), Tvtuner Card

Specification

Processor	CPU	AMD®eBrazos Processor T56N-1.6GHz / T48N-1.4GHz CPU
System	CPU Socket	Onboard
	FSB	800/1066/1333MHZ
	Chipset	AMD®eBrazos + Hudson-M1
	BIOS	AMI EFI BIOS
System Memory	Technology	Dual channel DDR3 800/1066/1333MHZ FSB
	Max.Capacity	Up to 2GB
	Socket	1 * 204pin DDR3 SO-DIMM
Display	Graphic	AMD®Radeon™ HD6 Series Support DirectX® 11
	LVDS	Support Dual channel 18/24-bit Resolution: up to 1920 * 1200 (Support 1080P)
	VGA	1 * DB15 VGA Resolution: up to 2560 * 1600
	HDMI	Support Type A HDMI 1.3 Resolution: up to 2560 * 1600
	Display Port	N/A
	Dual Display	CRT + LVDS, CRT + HDMI, LVDS + HDMI
Ethernet	Controller	LAN1: Realtek 8111DL GbE LAN LAN2: N/A
Audio	Controller	Realtek ALC662 HD audio codec (Line-out) ITE IT8728F
Super I/O	Controller	Programmable 1 ~ 255 sec., Support System Reset
H/W Monitor	Watchdog Timer	3 pin DC FAN Control
	Smart Fan	N/A
TPW	Controller	8 * USB2.0/1.1
I/O Interface	USB	2 * RS-232
	Serial	N/A
	Parallel	N/A
	PS/2	N/A
	GPIO	N/A
	IEEE 1394	N/A
	Expansion Slot	PCIX16 N/A PCIX4 N/A PCIX1 N/A PCI N/A
	Mini-PCIe	1 Slot Support 3G Module
Storage	USIM	1 Slot Standard SIM
	SATA	2 * SATA II Max. transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power	DC-in 12V @ 3A
	Consumption	Typical Consumption:20W
Environment	Working Temp.	-10°C ~ 60°C
	Storage Temp.	-40°C ~ 85°C
	working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	120mm * 120mm
	Weight	0.208Kg
Regulatory Compliance		FCC, CE, VCCI, RoHS compliant

Order Information

DS-2018-T56N

AMD Dual Core T56N-1.6GHz CPU, VGA/HDMI/LVDS, 2*COM, 8*USB, 1*GbE LAN

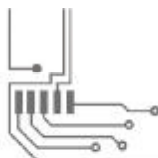
DS-2018-T48N

AMDDual Core T48N-1.4GHz CPU, VGA/HDMI/LVDS, 2*COM, 8*USB, 1*GbE LAN

DS-2018-T44R

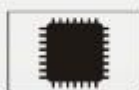
AMDSingle coreT44R-1.2GHz CPU, VGA/HDMI/LVDS, 2*COM, 8*USB, 1*GbE LAN





DS-2045

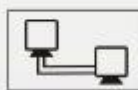
Intel®45nm CoreTM 2 Duo Embedded System



Intel® Gm45
+ ICH9M-E



SODIMM
DDR2 500



Dual Gigabit
LAN



DVI



7.1 Channel
Audio



HDMI

Features

- Intel®45nm CoreTM 2 Duo design with small dimension chassis
- Intel®GM45 chipset
- Multiple video output: HDMI, DVI and VGA with dual independent display
- Support DirectX 10(B), Shader Model 4.0, and Intel® Clear Video technology

Specification

Processor	CPU	Intel® Core 2 Duo
System	Chipset	Intel® Moblie GM45 Express chipset + ICH9M-E
System	Technology	Dual channel DDR2 533/667/800MHz FSB
Memory	Max.Capacity	Up to 4G
	Socket	2 * 200 pin SO-DIMM
Display	Graphic	Intel® Graphics Media Accelerator (GMA) 4500HD
	LVDS	N/A
		N/A
	DVI	CH7318C
		Resolution: Up to 1920 * 1080 (1080P)
	HDMI	Support HDMI 1.3 ,Type A,19-pin
		Resolution: Up to 1920 * 1200 (1080P supported)
	Display Port	N/A
Ethernet	Dual Display	CRT + DVI, CRT + HDMI
	Controller	LAN1: Intel® B2576LM GbE LAN
Audio	Controller	LAN2: Intel® 82574L GbE LAN
		Realtek ALC888 HD Audio Codec
I/O Interface	Controller	(Line-in, Line-out, Mic-in)
	USB	6 * USB 2.0/1.1 (2 * Front, 4 * Rear)
	Serial	4 * RS-232 Front(1 * RS-232/485/422 Rear)
	Parallel	N/A
	PS/2	N/A
	IrDA	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIX16	N/A
	PCIX4	N/A
	PCIX1	N/A
	PCI	32bit/33MHz, 1 * PCI Slot
	Mini-PCIe	1 Slot
Storage	SATA	4 * SATA II, Max. Transfer Rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Operating System		Windows XP/XPE
Power	Power	DC-in 19V @ 5A
Source	Consumption	Typical Consumption 45W
	Working Temp.	0 ~ 40°C
Environment	Storage Temp.	-20°C ~ 70°C
	working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
	Dimensions	180mm * 180mm * 44mm
Form Factor	Weight	1.07Kg
	Mounting	Support VESA mounting
Regulatory Compliance		FCC, CE, C-Tick, BSMI, VCCI, RoHS compliant

Order Information

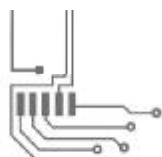
DS-2045

Intel GM45 Core 2 CPU, 4*COM, 6*USB, 2*GbE LAN

Optional peripherals : SATA HDD

160G ~ 500G





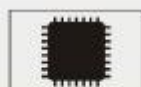
DS-2200

Low Power System for Outdoor Multimedia Application



Specification

Processor	CPU	Intel®Atom™ processor N270-1.6GHz
	Memory	1GB DDR2 Memory
System	Video Memory	Intel®GMA950 Graphics Media Accelerator
	Chipset	Intel® 945GSE + ICH7M
	SATA	4 * SATA II, Max. Transfer Rate 3Gb/s
	ATA/IDE	1 * IDE
	WatchDog Timer	Programmable 1 ~ 255 sec.; Support System Reset
IO	Serial Port	2 * (1 x RS-232, 1 x RS-232/RS-422/RS-485)
	Parallel Port	1 * SPP/EPP/ECP
	USB	6 * USB2.0/1.1 Compatible (4 x Rear)
	KB/MS	N/A
	LAN	LAN1: Realtek 82574L GbE LAN
	WLAN	Supported
	VGA	1 * DB15 Resolution: up to 1920*1080 (1080P)
	Audio	1 * Line-out · 1 * Mic Max.PW:6W
	Expansion Slot	1 * Mini-PCIe
LCD Display	LCD	22" TFT LCD
	Resolution	Resolution: up to 1680 * 1050
	Backlight	4 * CCFL
	Luminance	300cd/m2
	Contrast Ratio	1000: 1
Touch Screen	View Angle	170Deg.(Horizontal) / 165Deg.(Vertical)
	Type	Infrared
	Life Span	35000000
	Controller Interface	USB Port
	Transmittance	95%
Mechanism Parameter	Resolution	4096*4096
	Panel/Panel Color	Steel/Black
	Installation	Support Rack Mounting
	Chassis Structure	Steel/Black
	Power Supply	220V AC Input Output 130W: 5V@15A MAX, 12V@10A Max.
	Dimensions	540mm * 415mm * 100mm
	Weight	6.8Kg
Regulatory Compliance		CE, RoHS Compliant



Intel® 945GSE
+ICH7M



VGA



Gigabit LAN

Features

- Ultra Low Power and fanless system
- Intel®ATOM® 2 Mobil Processor
- Hardware Video Decoder for MPEG2
- 16:10 Wide Screen Support Wide View Angle
- Infrared Touch screen for Outdoor Design

Order Information

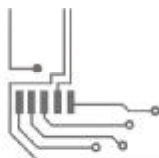
DS-2200

22" Outdoor HMI with Intel N270 1.6G CPU, VGA, 2*COM, 6*USB, 1*LAN, Touchscreen

Optional peripherals: SATA HDD \ WIFI

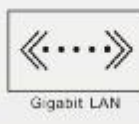
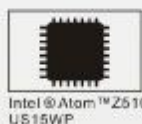
160G ~ 500G \ Y





DS-2100

Performance and Value Integrated Gfx for Fanless Design



Features

- A fanless ultra compact embedded system for space and environment critical applications
- Slim size with stylish ID and full sealed of aluminum design and few mechanical parts
- Gigabit ethernet and optional Wifi/3G networking
- Support full hardware acceleration of video decode standards
- Comprehensive I/O functions

Specification

Processor	CPU	Intel® Atom™ Processor Z510P-1.1GHz/Z530P-1.6GHz
System	Chipset	Intel® SCH Poulso
	Technology	DDR2 400/533/667MHz FSB
	Max.Support	Up to 1GB
	Socket	Onboard
System	Graphic	Intel® GMA500 Integrated Graphics
Memory	LVDS	N/A
		N/A
Display	DVI	N/A
		N/A
	HDMI	N/A
		N/A
	VGA	1 * DB15 VGA port Resolution: 1920 * 1080 (1080P)
	Dual Display	N/A
Ethernet	Controller	LAN1: Realtek 8111DL GbE LAN
	WLAN	Supported
Audio	Controller	Realtek ALC662 HD Audio Codec(Line-out, Mic-in)
	USB	5 * USB2.0/1.1(3 * Rear, 2 * Front)
Super I/O	Serial Port	1 * RS-232
H/W Monitor	Parallel Port	N/A
	PS/2	N/A
I/O Interface	IrDA	N/A
	GPIO	N/A
	IEEE 1394	N/A
	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
Expansion Slot	PCI	N/A
	Mini-PCIe	1 Slot
	USIM	1 Slot
	MXM	N/A
Storage	SATA	1 * 2.5" SATA
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power	Power Adaptor	DC-in 12V @ 1.5A
	Power Supply	AC 110 ~ 220 V
Source	Working Temp.	-20 ~ -55°C, -40°C ~ 85°C (Optional)
Environment	Storage Temp.	-40 ~ 85°C
	working Humidity	0% ~ 95% relative humidity, non-condensing
	Storage Humidity	0% ~ 95% relative humidity, non-condensing
	Dimensions	170mm * 138mm * 52mm
Form Factor	Weight	1.21Kg
	Mounting	N/A
Regulatory Compliance		CE, RoHS Compliant

Order Information

DS-2100

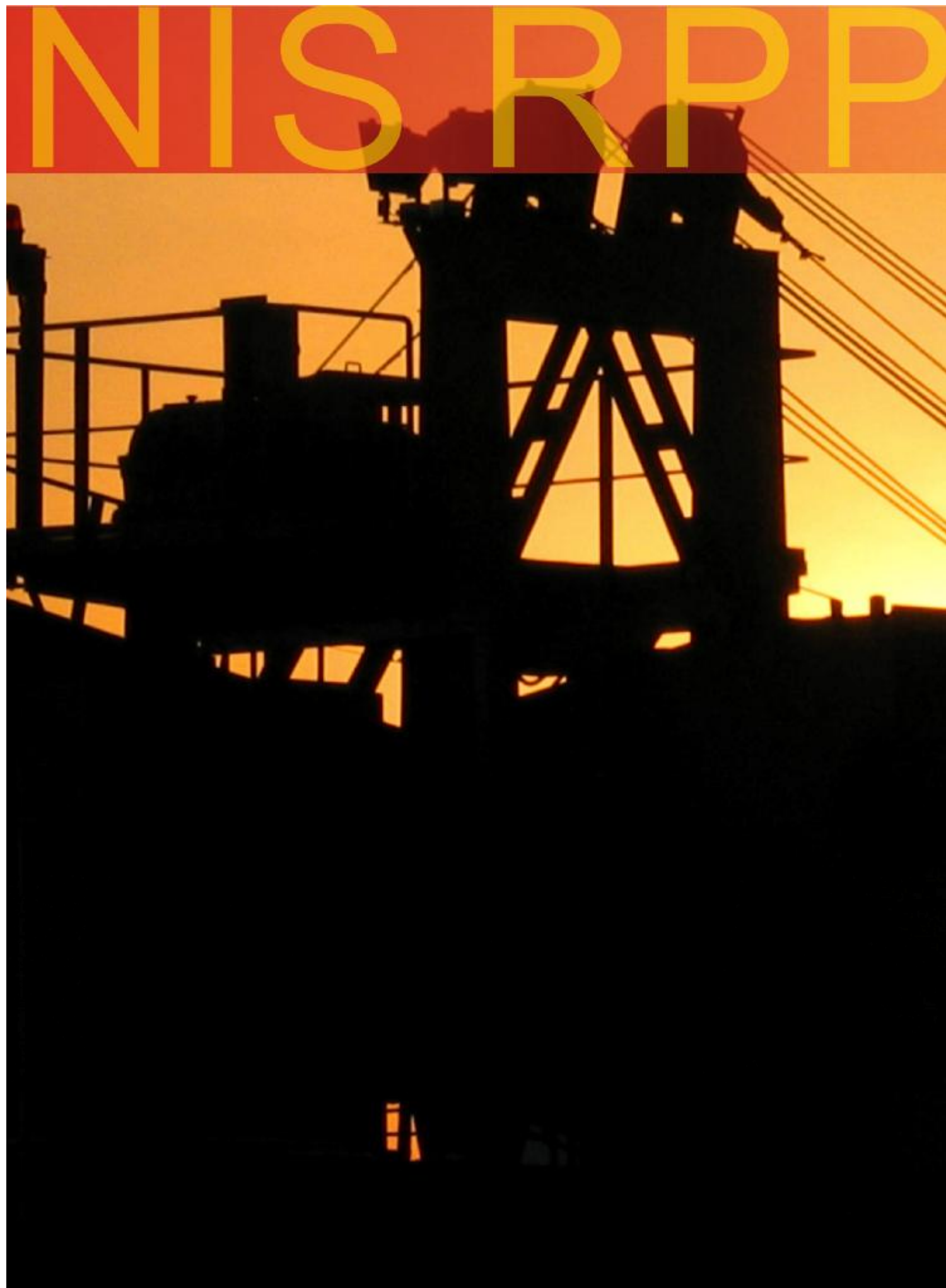
Intel Menlow Z510P 1.1G CPU, VGA, 5*USB, 1*LAN, Mini BOX PC

DS-2100

Intel Menlow Z530P 1.6G CPU, VGA, 5*USB, 1*LAN, Mini BOX PC

Optional peripherals: SATA HDDA \ WIFI \ 3G

160G ~ 500G \ Y \ Y





NIS

NIS-H216

NIS-H219

NIS-H300

NIS-H301

NIS-H500

NIS-H912

NIS-H892

NIS-H860

NIS-H880

RPPC

RPPC-1010

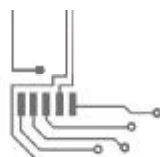
RPPC-1200

RPPC-1500

RPPC-1700

RPPC-1850

RPPC-2150



NIS-H216

Performance and Value Integrated Gfx for Fanless Design



Intel® Gm45 + ICH9M-E



Dual Gigabit LAN



Fanless



7.1 Channel Audio



Mini PCIe

Features

- Compact & Fanless Design
- Support Intel® Core 2 Duo Mobil Processor
- Multiple Video Output: HDMI, DVI-I
- Support DirectX®10, Shader Model 4.0, and Intel® Clear Video technology

Specification

Processor	CPU	Intel® Core 2 Duo
System	Chipset	Intel® GS45 + ICH9M
System	Technology	Dual Channel DDR2 667/800MHz
Memory	Max.Capacity	Up to 4GB
	Socket	2 * 200pin SO-DIMM
Display	Graphic	Intel® Graphics Media Accelerator (GMA) 4500MHD
	LVDS	N/A
		N/A
	DVI	Chrontel CH7318C SDVO transmitter Resolution: up to 1920 x 1080 (1080P)
	HDMI	Support HDMI 1.3, Type A, 19-pin Resolution: up to 1920 x 1200 (1080P supported)
	Display Port	N/A
		N/A
	Dual Display	CRT + HDMI, DVI + HDMI
Ethernet	Controller	LAN1: Intel® 82574L GbE LAN LAN2: Intel® 82567LM GbE LAN
Audio	Controller	Realtek ALC888 HD Audio Codec
I/O Interface	USB	6 * USB2.0/1.1 Compatible (2 x Front, 4 x Rear)
	Serial Port	5 * RS-232/422/485 (2 x Front, 3 x Rear), COM1 support 5V/12V
	Parallel Port	N/A
	PS/2	N/A
	IrDA	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe 1x slot
	USIM	N/A
	MXM	N/A
Storage	SATA	1 * SATA II, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Operating System		Windows XP/XPE/ WIN 7
Power	Power	DC-in 19V @ 3A
Source	Power Supply	AC 110 ~ 220V
Environment	Working Temp.	0 ~ 40°C
	Storage Temp.	-20 ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	198mm * 198mm * 60mm
	Weight	2.46Kg
	Mounting	Support VESA mounting
Regulatory Compliance		FCC, CE, RoHS compliant

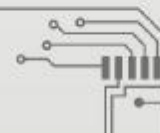
Order Information

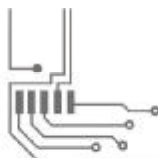
NIS-H216

Intel GS45 Core 2 CPU, DVI/HDMI, 5*COM, 6*USB, 2*LAN, MINI BOX PC

Optional peripherals : SATA HDD \ WIFI

160G ~ 500G \ Y



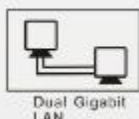


NIS-H219

Ultra-mini Low Power System with Intel® Atom™ N270 Solution



Intel® Gm45 + ICH9M



Dual Gigabit LAN



Fanless



7.1 Channel Audio



Mini PCIe



DVI-I

Features

- Fanless Design & Ultra Mini Size
- DVI-I & Dual Giga LAN
- Increase Energy Efficiency

Specification

Processor	CPU	Intel® Atom™ N270-1.6GHz
System	Chipset	Intel® 945GSE + ICH9M
System	Technology	Dual Channel DDR2 400/533MHz
Memory	Max.Capacity	Up to 2GB
	Socket	1 * 200pin SO- DIMM
Display	Graphic	Intel® Graphics Media Accelerator (GMA) 950
	LVDS	N/A
		N/A
	DVI	CH7307C
		Resolution: up to 1600 * 1200 (UXGA)
	HDMI	N/A
		N/A
	Display Port	N/A
		N/A
	Dual Display	N/A
Ethernet	Controller	LAN1: Intel 82574L GbE LAN LAN2: Intel 82574L GbE LAN
Audio	Controller	Realtek ALC888 HD Audio Codec (Line-in, Line-out, Mic-in)
I/O Interface	USB	2 * USB2.0 /1.1 Compatible
	Serial Port	4 * RS-232 (1 * RS-232/422/485, 9Pin Optional 5V/12V output)
	Parallel Port	N/A
	PS/2	N/A
	IrDA	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe 1x Slot
	USIM	N/A
	MXM	N/A
Storage	SATA	2 * SATA
	IDE	N/A
	eSATA	N/A
	Compact Flash	1
Operating System		Windows XP/XPE, Linux, Win CE
Power	Power	DC-in 12V @ 36A
Source	Power Supply	AC 110 ~ 220v
Environment	Working Temp.	0 ~ 40°C (32 ~ 104°F)
	Storage Temp.	-20 ~ 80°C (-4 ~ 176°F)
	Working Humidity	0% ~ 90%relative humidity, non-condensing
	Storage Humidity	0% ~ 90%relative humidity, non-condensing
Form Factor	Dimensions	210mm * 100mm * 50mm
	Weight	1.165Kg
	Mounting	Support Vesa Mounting
Regulatory Compliance		CE, FCC, BSMI, VCCI, C-tick, RoHS Compliant

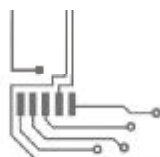
Order Information

NIS-H219

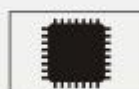
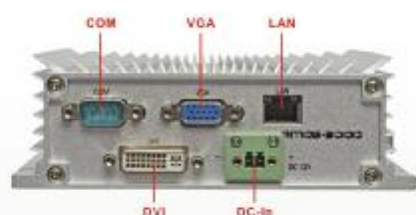
Intel N270 1.6G CPU, 4*COM, 2*USB, 2*GbE LAN, MINI BOX PC

Optional peripherals : SATA HDD

160G ~ 500G



NIS-H300 VIA C7® Ultra Compact Fanless Embedded System



VIA CN700 + VT8237R-Plus



Gigabit LAN



SODIMM DDR2 533/667



Mini PCIe 1.2



Fanless

Features

- A fanless ultra compact embedded system for space and environment critical application
- Slim size with stylish ID and full sealed of aluminum design and few mechanical parts
- Support dual independent display
- Multiple mounting solutions: Wall/Table/VESA mountable
- Embedded OS Ready platform

Specification

Processor	CPU	VIA C7® NANO-1.0 GHz
System	Chipset	VIA VX700 Unified Digital Media IGP chipset
System	Technology	Single channel DDR2 533/667MHz
Memory	Max Capacity	Up to 1GB
Memory	Socket	1 * 200pin SO-DIMM
Display	Graphic	Integrated VIA UniChrome™ Pro II 3D/2D AGP Graphics with MPEG-2/4 and WMV9 Decoding Acceleration
Display	LVDS	N/A
Display	DVI	1 * DVI-I Resolution: up to 1920 * 1080
Display	HDMI	N/A
Display	Display Port	N/A
Display	Dual Display	VGA + DVI
Ethernet	Controller	LAN1: 1 * VIA VT6122 Gigabit Ethernet controller
Ethernet	WLAN	Supported
Audio	Controller	VIA VT1708B HD Audio Codec (Line-in, Line-out, Mic-in)
I/O Interface	USB	USB2.0/1.1 Compatible
I/O Interface	Serial Port	1 * RS-232
I/O Interface	Parallel Port	N/A
I/O Interface	PS/2	N/A
I/O Interface	IrDA	N/A
I/O Interface	GPIO	Supported
Expansion Slot	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
Expansion Slot	PCIeX4	N/A
Expansion Slot	PCIeX1	N/A
Expansion Slot	PCI	N/A
Expansion Slot	Mini-PCIe	1 * Mini-PCIe 1x Slot
Expansion Slot	USIM	N/A
Expansion Slot	MXM	N/A
Storage	SATA	1 * 2.5" SATA (with NIS-3501 storage sub-system chassis)
Storage	IDE	1 * IDE DOM Slot
Storage	eSATA	N/A
Storage	Compact Flash	N/A
Operating System		Windows XP/XPE, Linux, Win CE
Power	Power	DC-In 19V @ 4.5A
Source	Power Supply	Typical Consumption: 20W
Environment	Working Temp.	-20 ~ 70°C
Environment	Storage Temp.	-20 ~ 70°C
Environment	Working Humidity	0 ~ 90% relative humidity, non-condensing
Environment	Storage Humidity	0 ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	135mm * 45mm * 131mm Support 150mm mounting bracket
Form Factor	Weight	0.832Kg
Form Factor	Mounting	Support Desktop installation, wall mounting, and VESA installation
Regulatory Compliance		CE / FCC Class A, UL, RoHS compliant

Order Information

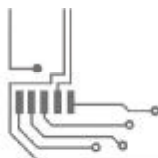
NIS-H300

VIA ULV 1.0G CPU, VGA/2*LVDS, 4*COM, 4*USB, 2*LAN, with 1 x HDD Bay

Optional peripherals: SATA HDD \ WIFI

160G ~ 500G \ Y



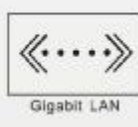


NIS-H301

VIA® Eden™ ULV Ultra Compact Fanless Embedded System



VIA CN700 +
VT8237R-Plus



Gigabit LAN



HDMI



VGA+HDMI

Features

- Comprehensive I/O functions
- Operating temperature from -20°C up to 70°C
- Hardware acceleration of MPEG-2/4, WMV9 & H.264 for full HD 1080P display
- Gigabit ethernet and optional Wifi networking
- Embedded OS Ready platform

Specification

Processor	CPU	VIA Eden™ ULV™ 1.0GHz
System	Chipset	VIA VX855 Unified Digital Media IGP chipset
System	Technology	Single channel DDR2 533/667MHz
Memory	Max.Capacity	Up to 2GB
	Socket	1 * 200pin SO-DIMM
Display	Graphic	Integrated VIA UniChrome™ Pro II 3D/2D AGP Graphics with MPEG-2/4 and WMV9 Decoding Acceleration
	LVDS	N/A
		N/A
	DVI	N/A
		N/A
	HDMI	Support HDMI 1.3, Type A, 19-pin Resolution: up to 1920 x 1200 (1080P supported)
	Display Port	N/A
	Dual Display	VGA + HDMI
Ethernet	Controller	LAN1 : VIA VT6122 Gigabit Ethernet controller
	WLAN	Supported
Audio	Controller	VIA VT1708B HD Audio Codec (Line-out, Mic-in)
	USB	4 * USB2.0/1.1 Compatible (2 * Rear, 2 * Front)
	Serial Port	2 * RS-232
	Parallel Port	N/A
	PS/2	N/A
	IrDA	N/A
	GPIO	Supported
	IEEE 1394	N/A
		N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe 1x Slot
	USIM	N/A
Storage	MXM	N/A
	SATA	1 * 2.5" SATA (with NIS-3501 storage sub-system chassis)
	IDE	1 * IDE DOM Slot
	eSATA	N/A
	Compact Flash	N/A
Operating System		Windows XP/XPE, Linux, Win CE
Power	Power	DC-In +12V @ 3A
Source	Power Supply	Typical Consumption:25W
Environment	Working Temp.	-20 ~ 70°C
	Storage Temp.	-20 ~ 70°C
	Working Humidity	0 ~ 90% relative humidity, non-condensing
	Storage Humidity	0 ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	135mm * 45mm * 131mm Support 150mm VESA mounting bracket
	Weight	0.756Kg
	Mounting	Support Desktop installation, wall mounting, or VESA installation
Regulatory Compliance		CE/FCC Class A, UL, RoHS compliant

Order Information

NIS-H301-1000

VIA EDEN 1.0G CPU, VGA/HDMI, 2*COM, 4*USB, 1*LAN, MINI BOX PC

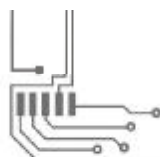
NIS-H301-1200

VIA NANO 1.2G CPU, VGA/HDMI, 2*COM, 4*USB, 1*LAN, MINI BOX PC

Optional peripherals : SATA HDD \ WIFI

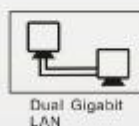
160G ~ 500G \ Y





NIS-H500

VIA Nano™ Fanless, Compact Embedded chassis for EM-ITX



Dual Gigabit LAN



VIA VX800



Fanless



LVDS1+LVDS2



VGA



5.1 Channel Audio

Features

- Fanless operation from -20°C up to 55°C
- Easy, quick installation and maintenance with only five parts
- Anti-shock up to 50G with vibration resistant design to ensure extended reliability
- Easy to use inter-changeable and customizable front and rear panels
- Maxima space efficiency for optimized electromagnetic compatibility

Specification

Processor	CPU	VIA Nano™ ULV (1MB L2 Cache) 1.0/1.3GHz
System	Chipset	VX800
System	Technology	Single Channel DDR2 533/667/800MHz
Memory	Max.Capacity	Up to 2GB
Memory	Socket	1 * 200pin SO-DIMM
Display	Graphic	VIA VX800 unified digital media IGP chipset
Display	LVDS	2 * 24 bit single channel Resolution: 1280 * 1024
Display	DVI	N/A
Display	HDMI	N/A
Display	VGA	1 * DB15 VGA Port Resolution: 1920 * 1440
Display	Dual Display	Synchronism: LVDS_1 + LVDS_2; Asynchronism: LVDS_2 + VGA
Ethernet	Controller	LAN1 : VIA VT6122 Gigabit Ethernet controller LAN2 : VIA VT6122 Gigabit Ethernet controller
Wireless Module	WLAN	Supported
Audio	Controller	VIA VT1708B HD Audio Codec (Line-in, Line-out, Mic-in)
I/O Interface	USB	4 * USB2.0/1.1 (2 x Rear, 2 x Front)
I/O Interface	Serial Port	4 * COM port (2 x RS-232, 2 x RS-232/422/485)
I/O Interface	Parallel Port	Supported
I/O Interface	PS/2	N/A
I/O Interface	IrDA	N/A
I/O Interface	GPIO	Supported
I/O Interface	IEEE 1394	N/A
Expansion Slot	PCIX16	N/A
Expansion Slot	PCIX4	N/A
Expansion Slot	PCIX1	N/A
Expansion Slot	PCI	N/A
Expansion Slot	Mini-PCIe	1 * Mini-PCIe 1x Slot
Expansion Slot	USIM	N/A
Expansion Slot	MXM	N/A
Storage	SATA	1
Storage	IDE	N/A
Storage	eSATA	N/A
Storage	Compact Flash	1
Operating System		Windows XP/XPE
Power	Power Adaptor	DC-In 7 ~ 36V
Source	Power Supply	Typical Consumption:16W
Environment	Working Temp.	0 ~ 55°C
Environment	Storage Temp.	-20 ~ 80°C
Environment	Working Humidity	0% ~ 90% relative humidity, no-ncondensing
Environment	Storage Humidity	0% ~ 90% relative humidity, no-ncondensing
Form Factor	Dimensions	232mm * 53mm * 125mm
Form Factor	Weight	0.4Kg
Form Factor	Mounting	Support Desktop installation, wall mounting (optional)
Regulatory Compliance		CE, FCC, CCC, CB, RoHSCompliant

Order Information

NIS-H500-1MZZA1

VIA ULV 1.0G CU, VGA/2*LVDS, 4*COM, 4*USB, 2*LAN, with 1 x HDD Bay

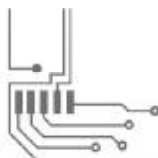
NIS-H500-1MSZA1

VIA ULV 1.0G CU, VGA/2*LVDS, 4*COM, 4*USB, 2*LAN, with 2 x HDD Bay

Optional peripherals : SATA HDD \ WIFI

160G ~ 500G \ Y



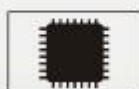


NIS-H912

Intel® Atom D525 Offers efficient performance in barebone solution



PS/2 COM LAN USB MIC Line-out



Intel® Atom™
D525+G82NM10



SODIMM
DDR3 400/ 533/667



Gigabit LAN



Mini PCIe

Features

- Slim Aluminum Material Design
- 2 * SATA 3.0Gbps
- Wifi+3G SIM Slot
- Independent power amplifier output

Specification

Processor	CPU	Intel® Atom™ D525 1.8GHz
System	Chipset	CG82NM10
System	Technology	Single channel DDR3 400/533/667Mhz SO-DIMM
Memory	Max.Capacity	Up to 2GB
	Socket	1 * 204 pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3150
	LVDS	Dual Channel 8/24 bit LVDS
		Resolution: 1920 * 1080 (1080P)
	DVI	N/A
	HDMI	N/A
	VGA	1 * DB15 VGA
	Dual Display	N/A
Ethernet	Controller	LAN1: Realtek 8111E GbE LAN
Wireless	WLAN	Supported
Module	Bluetooth	N/A
Audio	Controller	Realtek ALC662 HAD
		Max. PW: 6W
I/O Interface	USB	4 * USB2.0/1.1 Compatible
	Serial Port	1 * RS-232
	Parallel Port	N/A
	PS/2	1 * PS/2
	IrDA	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe
	USIM	N/A
	MXM	N/A
Storage	SATA	2 * SATA II 3.0Gbp/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Operating System		Windows2000/XP/Vista/WIN7
Power	Power Adaptor	DC-in 12V @ 4A
Source	Power Supply	AC 110 ~ 220V
Environment	Working Temp.	0 ~ 60°C
	Storage Temp.	-20 ~ 80°C
	working Humidity	10% ~ 90% relative humidity, non- condensing
	Storage Humidity	10% ~ 90% relative humidity, non- condensing
Form Factor	Dimensions	170mm * 170mm * 55mm
	Weight	0.38kg
	Mounting	Support VESA mounting
Regulatory Compliance		FCC, CE, ROHS Compliant

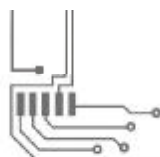
Order Information

NIS-H912

Intel D525 1.8G CPU with 2GB DDR3, VGA, 1*COM, 4*USB, 1*LAN, DC 12V IN MINI SYSTEM

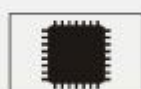
Optional peripherals : SATA HDD \ WIFI

160G ~ 500G \ Y



NIS-H892

Intel® Fusion APU with High Performance for Full HD Digital Signage



AMD eBrazos+
Hudson-M1



Gigabit LAN



SODIMM
DDR3 1066



Fanless



VGA+HDMI

Features

- AMD® Fusion APU
- Support Dual 1080P Video Output with T56N or T48N
- Hardware Decode for 1080P MPEG-2, H.264 and VC-1 Playback
- Multiple video output: HDMI, VGA and LVDS with dual independent display
- Support Direct* 11™, Support OpenGL 3.0
- Mini-PCIe Support WIFI, 3G (with USIM Slot), Tv tuner Card
- 4 * USB, 1 * COM
- Fanless design

33-34. STEP BY STEP

Specification

Processor System	CPU	AMD® eBrazos Processor T56N-1.6GHz / T48N-1.4GHz CPU
	CPU Socket	Onboard
	FSB	800/1066/1333MHZ
	Chipset	AMD® eBrazos + Hudson-M1
	BIOS	AMI EFI BIOS
System Memory	Technology	Dual channel DDR3 800/1066/1333MHZ FSB
	Max.Capacity	2GB Memory
	Socket	1 * 204pin DDR3 SO-DIMM
Display	Graphic	AMD® Radeon™ HD6 Series Support DirectX® 11
	LVDS	N/A
		N/A
	VGA	1 * DB15 VGA
		Resolution: up to 2560 * 1600
	HDMI	Support Type A HDMI 1.3
		Resolution: up to 2560 * 1600
	Display Port	N/A
		N/A
	Dual Display	HDMI + VGA
Ethernet	Controller	LAN1: Realtek 8111DL GbE LAN
		LAN2: N/A
Audio	Controller	Realtek ALC662 HD audio codec (Line-out)
Super I/O	Controller	ITE IT8728F
H/W Monitor	Watchdog Time	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	3 pin DC FAN Control
TPW	Controller	N/A
I/O Interface	USB	4 * USB2.0/1.1
	Serial	1 * RS-232
	Parallel	N/A
	PS/2	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIX16	N/A
	PCIX4	N/A
	PCIX1	N/A
	PCI	N/A
	Mini-PCIe	1 Slot Support 3G Module
	USIM	1 Slot Standard SIM
Storage	SATA	2 * SATA II Max. transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power	Power	DC-in 12V @ 3A
	Consumption	Typical Consumption: 25W
Power Source	Power Adaptor	DC-in 12V
Requirement	Power Supply	AC 110 ~ 220V
Environment	Working Temp.	0°C ~ 60°C
	Storage Temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	215mm * 135mm * 40mm
	Weight	1.85Kg
Regulatory Compliance		FCC, CE, VCCI, RoHS compliant

Order Information

NIS-H892-T56N

AMD Dual Core T56N-1.6GHz with 2GB DDR3, 500G HDD, HDMI/VGA, 1*COM, 4*USB, 1*GbE LAN, DC 12V IN, MINI SYSTEM

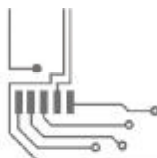
NIS-H892-T48N

AMD Dual Core T48N-1.4GHz with 2GB DDR3, 500G HDD, HDMI/VGA, 1*COM, 4*USB, 1*GbE LAN, DC 12V IN, MINI SYSTEM

Optional peripherals : SATA HDD \ WIFI \ 3G LAN

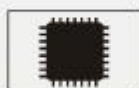
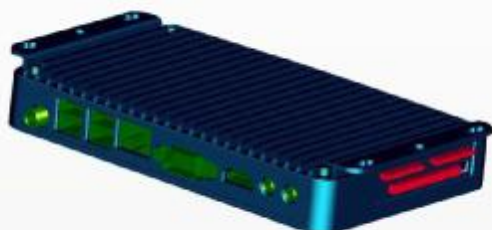
160G ~ 500G \ Y \ Y





NIS-H860

Intel® Atom Cedar Trail Slim Digital Signage with low power consumption, high speed & reliability.



Intel Cedar Trail N2600/2800 + G82NM10



Onboard Memory



Gigabit LAN



7.1 Channel Audio



VGA+LVDS



HDMI

Features

- Intel® Atom™ Cedar Trail Processor N2600 / 2800
- Onboard 1GB/2GB DDR3
- Intel® Graphics Media Accelerator 3600/3650
- 4 * USB - 1 * COM - an infrared receiver
- The height of the PC is only 20mm
- Mini PCIe interface SATA · Compact Flash, 2 * SD Card Reader Code
- CRT + HDMI, CRT + LVDS, HDMI + LVDS
- Gigabit LAN, Supports WIFI/3G LAN

Specification

Processor	CPU	Intel® Cedar Trail Processor N2700/N2800
System	CPU Socket	Onboard
	FSB	800/1067Mhz
	Chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Onboard 1GB/2GB DDR3
	Max.Capacity	Up to 2GB
	Socket	Onboard
Display	Graphic	Intel® Graphics Media Accelerator 3600/3650
	LCD	N/A
		N/A
	LVDS	Support single channel 18/24 bit LVDS Support Max.Resolution:1366 * 768
	DVI	N/A
		N/A
	VGA	Support HDMI 1.3, Connector Type A, 19-pin Resolution:1920 * 1200 Onboard DB-15 CRT Port Support Max.Resolution: 1920 * 1200
	Dual Display	CRT + HDMI, CRT + LVDS, HDMI + LVDS
Ethernet	Controller	LAN1: Realtek 8111DL GbE LAN LAN2:N/A
Audio	Controller	Realtek ACL662 HD_Audio The Max. Amplifier Output 6W
Super I/O	Controller	N/A
H/W Monitor	Watchdog Timer	N/A
	Smart Fan	N/A
TPW	Controller	N/A
I/O Interface	USB	4 * USB 2.0/1.1 compatible
	Serial	1 * RS-232 Serial Port
	Parallel	N/A
	PS/2	N/A
	GPIO	N/A
	IR	An infrared receiver
Expansion Slot	PCIEX16	N/A
	PCIEX4	N/A
	PCIEX1	N/A
	Pc104	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe slot + 1 * standard SIM Card Slot
Storage	SATA	N/A
	IDE	N/A
	SSD	1 * SATA (Mini-PCIe Slot)
	SD Card	2* SD card Reader
	Compact Flash	1 CF Card slot
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical PW:12W
Environment	Working Temp.	-20°C ~ 60°C
	Storage Temp.	-40°C ~ 85°C
	Working Humidity	10% ~ 90% relative humidity, non-condensing
	Storage Humidity	10% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	165mm * 115mm * 17mm
	Weight	0.45Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

NIS-H860-N2600

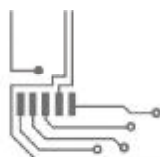
Intel N2600 1.6G CPU with 2GB DDR3, 2*SD/1*CF, VGA/HDMI, 1*COM, 4*USB, 1*LAN, MINI SYSTEM

NIS-H860-N2800

Intel N2800 1.86G CPU with 2GB DDR3, 2*SD/1*CF, VGA/HDMI, 1*COM, 4*USB, 1*LAN, MINI SYSTEM

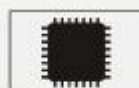
Optional peripherals: CF卡/SD卡 Mini-PCIe SSD \ WIFI \ 3G LAN
2G ~ 64G \ 8G ~ 128G \ Y \ Y





NIS-H880

Intel® Fusion APU with High Performance for Full HD Digital Signage



AMD eBrazos+
Hudson-M1



SODIMM
DDR3 1066



Gigabit LAN



7.1 Channel
Audio



VGA



HDMI

Features

- AMD® eBrazos CPU T56N-1.6GHz/ T48N-1.4GHz
- Support Dual 1080P Video Output with T56N or T48N
- Hardware Decode for 1080P MPEG-2, H.264 and VC-1 Playback
- Multiple video output: HDMI, VGA and LVDS with dual independent display
- Support DirectX 11®, Support OpenGL 3.0
- Mini-PCIe Support WIFI, 3G (with USIM Slot), Tv tuner Card

Specification

Processor	CPU	AMD®eBrazos CPU T56N-1.6GHz/ T48N-1.4GHz
System	Chipset	AMD® eBrazos + Hudson-M1
System	BIOS	Dual channel DDR3 800/1066/1333MHz FSB
Memory	Technology	Up to 4GB
	Max Capacity	1 * SO-DIMM 2GB Memory
Display	Graphic	AMD®Radeon™ HD6 series support DirectX® 11
	LVDS	N/A
		N/A
	VGA	1 * DB15 VGA port Resolution: up to 2560 * 1600
	HDMI	Support HDMI 1.3 Resolution: up to 2560 * 1600
	Display Port	N/A
		N/A
	Dual Display	VGA + HDMI
Ethernet	Controller	LAN1: Realtek 8111DL GbE LAN
	WLAN	Supported
Audio	Controller	Realtek ALC888 HD Audio Codec (Line-out)
Super I/O	USB	4 * USB2.0/1.1 Compatible
	Serial	N/A
	Parallel	N/A
	PS/2	N/A
	IrDA	N/A
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIX16	N/A
	PCIX4	N/A
	PCIX1	N/A
	PCI	N/A
	Mini-PCIe	1 Slot
	USIM	1 Slot Standard SIM
	MXM	N/A
Storage	SATA	2 * SATA II Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
		Windows XP/XPE, Vista, Win7
Power Source	Power Adaptor	12V @ 3A
	Power Supply	AC 110 V/ 220V
Environment	Working Temp.	0 ~ 50°C
	Storage Temp.	-20 ~ 70°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	128mm * 128mm * 41mm
	Weight	0.45kg
		Support VESA Mounting
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

NIS-H880-T56N

AMD Dual Core T56N-1.6GHz, SSD, VGA/HDMI, 1*GbE LAN, Mini BOX PC

NIS-H880-T48N

AMD Dual Core T48N-1.4GHz, SSD, VGA/HDMI, 1*GbE LAN, Mini BOX PC

NIS-H880-T44R

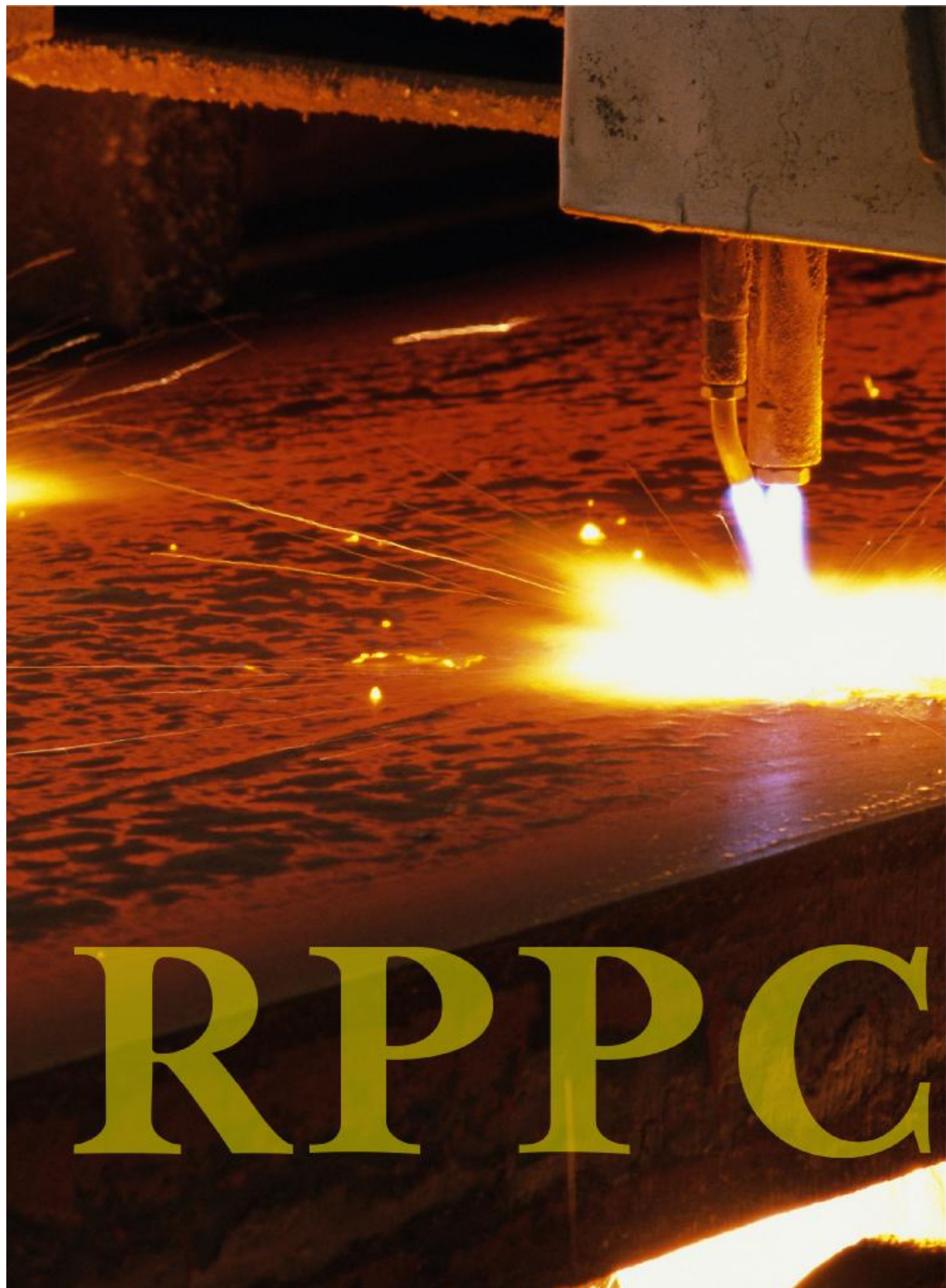
AMD Single Core T44R-1.2GHz, SSD, VGA/HDMI, 1*GbE LAN, Mini BOX PC

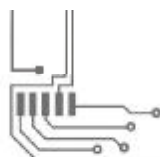
Optional peripherals: SATA SSD\WIFI

SSD 8G - 32G

Memory 1GB - 4GB







RPPC-1010

Fanless Panel PC with 10.4" TFT with 10.4" TFT LCD and Touch Screen



Specification

Support System	CPU	VIA Eden ULV 1.6GHz or C7 1.0GHz processor
	Max.Capacity	1 * SO-DIMM - Support Max. 2GB DDR2 SDRAM
I/O Interface	Graphic	VIA UniChrome™ Pro II IGP Pro II 3D/2D AGP 8X Graphics by the MPEG-2/4 and WMV9 decoding acceleration
	Chipset	CX700M2
LCD Display	ATA/IDE	UDMA133
	WatchDog Timer	Programmable 1 ~ 255 sec.; Support System Reset
Touch Screen	LAN	LAN1: 1 * VIA VT6122 Gigabit Ethernet controller Optional 802.11b/g wifi
	Storage	1 * SATA 1 * Compact Flash Slot
Mechanism	Serial Port	3 * COM (2 x RS232 & 1 x RS232/485/422, supply 0v/5v/12v)
	Parallel Port	N/A
Parameter	USB	2 * USB2.0/1.1 Compatible
	KB/MS	1 * KB, 1 * MS
Regulatory Compliance	LAN	LAN1: VIA VT6122 Gigabit Ethernet
	VGA	1 * DB15
Order Information	Audio	VIA VT1708B High Definition Audio Codec
	Expansion slot	32-bit/33MHz, 1 PCI slot
Features	LCD	10.4" TFT LCD
	Resolution	Resolution: 800 * 600
Order Information	Backlight	2 * CCFL
	Luminance	370nit
Order Information	Contrast Ratio	500 : 1
	View Angle	140 (H) / 120 (V)
Order Information	Type	Resistance
	Life Span	250g force, 1 million times.
Order Information	Controller Interface	USB port
	Transmittance	82%
Order Information	Panel/Panel Color	Aluminum/Black
	Installation	Hanging / Panel Mounting & VESA Cantilever-type Mounting
Order Information	Chassis Structure	Aluminum material, oxidation brushed finished surface
	Dimensions	300.4mm * 205.9mm * 55.2mm
Order Information	Weight	3.6Kg



VIA CX700



SODIMM
DDR2



Gigabit LAN



Fanless



VGA

Features

- Fanless with ultra low power consumption
- Built-in 1.6GHz VIA Edentm ULV or 1.0GHz processor
- 10.4" FTF LCD panel with touch screen
- Integrated VIA UniChrome™ Pro II 3D/2D AGP graphic with MPEG2/4 and WMV9 video decoding acceleration
- Support Gigabit Ethernet with optional Wireless LAN 802.11b/g
- IP65 compliant front panel protect against water and dust

Order Information

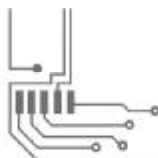
RPCC-1010

VIA EDEN 1.6G CPU, VGA, 3*COM, 2*USB, 1*LAN, with Touch 10.4" HMI

Optional peripherals: SATA HDD \ WIFI

160G ~ 500G \ Y





RPPC-1200

Fanless Panel PC with 12.1" TFT with 12.1" TFT LCD and Touch Screen



Specification

Support System	CPU	Socket479 Intel® Celeron/Pentium M CPU
	Max.Capacity	1 * SO-DIMM · Support Max. 1GB DDR2
	Graphic	Intel® Graphics Media Accelerator 852
	Chipset	Intel® 852GM + Intel ICH4M
	ATA/IDE	1 * IDE
	WatchDog Timer	Programmable 1 ~ 255 sec; Support System Reset
	LAN	LAN1: Realtek 8100CL 10/100 Base-T
	Storage	1 * IDE, 1 * CF Slot
IO	Serial Port	2 * RS-232
	Parallel Port	N/A
	USB	4 * USB2.0/1.1 Compatible
	KB/MS	1 * PS/2 composite port
	LAN	LAN1: Realtek 8100CL 10/100 Base-T
	VGA	1 * DB15
	Audio	1 * Line-out · 1 x Mic
	Expansion slot	N/A
LCD Display	LCD	12.1" TFT LCD
	Resolution	Resolution: Up to 800 * 600
	Backlight	2CCFL
	Luminance	400nit
	Contrast Ratio	500 : 1
	View Angle	246 (H) / 185 (V)
Touch Screen	Type	Resistance
	Life Span	250g force, 1 million times.
	Controller Interface	USB port
	Transmittance	82%
Mechanism Parameter	Panel/Panel Color	Aluminum/Black
	Installation	Hanging / Panel Mounting & VESA Cantilever-type Mounting
	Chassis Structure	Aluminum material, oxidation brushed finished surface
	Dimensions	300.4mm * 205.9mm * 55.2mm
	Weight	3.6Kg
		FCC, CE, RoHS Compliant
Regulatory Compliance		



Intel® 852GM+
ICH4M



Fanless



VGA+LVDS



VGA

Features

- Fanless with ultra low power consumption
- Support Socket 479 Intel Celeron/Pentium M CPU
- 12.1" FTF LCD panel with touch screen
- Increase Energy Efficiency

Order Information

RPPC-1200

Intel GM852 ULV PM 1.1G CPU, VGA, 4*USB2.0, 2*COM, 1*LAN, with Touch 12.1" HMI

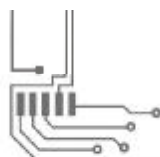
RPPC-1200-1600

Intel GM852 LV PM 1.6G CPU, VGA, 4*USB2.0, 2*COM, 1*LAN, with Touch 12.1" HMI

Optional peripherals : IDE HDD \ CF

80G ~ 320G \ 4G ~ 16G





PPC-1500

Intel® Atom™ solution for low power and high performance with DC POWER



Specification

Support System	CPU	Intel® Atom processor N270
	Memory	1 * SO-DIMM, Support Max. 2GB DDR2 SDRAM
	Video memory	Intel® Graphics Media Accelerator 950
	Chipset	Intel® 945GSE + ICH7M
	SATA/IDE	1 * IDE, 2 * SATA II
	Watchdog Timer	Programmable 1 ~ 255 sec., Support System Reset
	LAN	LAN1 : Intel 82574L Gbe Controller
	Storage	2 * SATA II
I/O Interface	Serial Port	5 * (4 x RS-232, 1 x RS-232/422/485)
	Parallel Port	1 * LPT
	USB	6 * USB2.0/1.1
	KB/MS	N/A
	LAN	1 * RJ45
	VGA	1 * DB15
	Audio	1 * Line-out · 1 * Mic
	Expansion Slot	1 * 32 bit/33MHz PCI Slot
LCD Display	LCD	15" LVDS LCD
	Resolution	Resolution: up to 1024 * 768
	Backlight	2CCFL
	Luminance	250(Typ) @ 8mA
	Contrast Ratio	500 : 1
	View Angle	304.128 (H) * 228.096 (L)
Touch Screen	Type	Slide-Resistance
	Life Span	35 million times
	Controller Interface	USB port
	Transmittance	80% ± 2%
Mechanism Parameter	Panel/Panel Color	Aluminum/Black
	Installation	Hanging / Panel Mounting & VESA Cantilever-type Mounting
	Chassis Structure	Aluminum material, oxidation brushed finished surface.
	Power Supply	12V @ 3A
	Dimensions	410mm * 315mm * 77.8mm
	Weight	7.6kg
Regulatory Compliance		FCC, CE, RoHS compliant



Features

- Hardware Video Decode for MPEG-2
- HyperThreading™ Support
- Two SATA ports
- Support VGA/LVDS/DVI
- 1 * IDE, 1 * MINI-PCIe

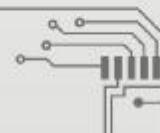
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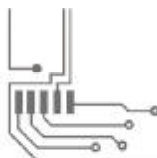
PPC-1500

Intel N270 1.6G CPU, VGA, 5*COM, 6*USB2.0, 1*LAN, with Touch 15" HMI

Optional peripherals : SATA HDD \ WIFI

160G ~ 500G \ Y





RPPC-1700

Intel® Atom™ solution for low power and high performance with DC POWER



Specification

Support	CPU	Intel® Atom processor N270
System	Memory	1 * SO-DIMM, Support Max. 2GB DDR2 SDRAM
	Video Memory	Intel® Graphics Media Accelerator 950
	Chipset	Intel® 945GSE + ICH7M
	ATA/IDE	1 * IDE, 2 * SATA II
	WatchDog Timer	Programmable 1 ~ 255 sec. Support System Reset
I/O Interface	LAN	LAN1 - Intel® 82574L Gbe Controller
	Storage	2 * SATA II
	Serial Port	5 * (4 x RS-232, 1 x RS-232/422/485)
	Parallel Port	1 * LPT
	USB	6 * USB2.0/1.1
	KB/MS	N/A
	LAN	1 * RJ 45
	VGA	1 * DB15
	Audio	1 * Line-out · 1 * Mic
	Expansion slot	1 * 32bit/33bit MHZ PCI Socket
LCD Display	LCD	17" LVDS LCD
	Resolution	Resolution: Up to: 1280 * 1024
	Backlight	2CCFL
	Luminance	250 (Typ) @ 8mA
	Contrast Ratio	500 : 1
Touch Screen	View Angle	304.128(H) * 228.096 (L)
	Type	5line-Resistance
	Life Span	35 million times
	Controller Interface	USB Port
	Transmittance	80% ± 2%
Mechanism	Panel/Panel Color	Aluminum/Black
Parameter	Installation	Hanging / Panel Mounting & VESA Cantilever-type Mounting
	Chassis Structure	Aluminum material, oxidation brushed finished surface.
	Power Supply	12V @ 3A
	Dimensions	442mm * 354mm * 101mm
	Weight	8.4kg
Regulatory Compliance		FCC, CE, RoHS Compliant



Intel® 945GSE + ICH7M



Gigabit LAN



SODIMM DDR2



VGA/LVDS/DVI

Features

- Hardware Video Decode for MPEG-2
- HyperThreading™ Support
- Two SATA ports
- Support VGA/LVDS/DVI
- 1 slot 32Bit PCI

Order Information

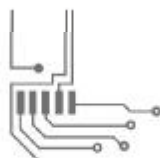
RPPC-1700

Intel N270 1.6G CPU, VGA, 5*COM, 6*USB2.0, 1*LAN, with Touch 17" HMI

Optional peripherals: SATA HDD \ WIFI

160G ~ 500G \ Y





PPC-1850

Intel® Atom™ solution for low power and high performance with DC POWER



Specification

Processor	CPU	AMD® G Series APU Processor T56N-1.6GHz/T48N-1.4GHz
	Max.Capacity	2GB DDR2 Memory
System	Video Memory	AMD® Radeon™ HD6 Support DirectX® 11
	Chipset	AMD® eBrazos + Hudson-M1
	Storage	SATA 360G HDD
	ATA/IDE	N/A
	WatchDog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	LAN	LAN1: Realtek 8111DL GbE LAN
	LAN	LAN1: Realtek 8111DL GbE LAN
I/O Interface	Serial	N/A
	Parallel	NA
	USB	4 * USB2.0/1.1 Compatible
	KB/MS	N/A
	LAN	N/A
	WLAN	Supported
	Expansion	Support HDMI 1.3, Type A, 19-Pin
	Slot	N/A
	Audio	1 x Line-out 1 x Mic
	Amplifier Output	Build-in Speaker 3W
LCD Display	Mini-PCle	1 * Mini-PCle slot
	LCD	18.5" LVDS WSVGA Widescreen 16:9 Proportion
	Resolution	Resolution: up to 1680 * 1050
	Backlight	LED
	Luminance	300 nit
	Contrast Ratio	1000
	View Angle	170Deg.(H)/165Deg.(V)
Touch Screen	Type	Resistance/Infrared(Optional)
	Life Span	N/A
	ControllerInterface	N/A
	Transmittance	N/A
	Resolution	N/A
Mechanism Parameter	Panel/Panel Color	Aluminum/Black
	Installation	Hanging / Panel Mounting & VESA Cantilever-type Mounting
	Chassis Structure	Plastic Material
	Power Supply	DC-in +12V @ 5A
	Consumption	N/A
	Dimensions	300.4mm * 205.9mm * 55.2mm
	Weight	3.5Kg
	Regulatory Compliance	CE RoHS compliant



AMD eBrazos+
Hudson-M1



Gigabit LAN



SODIMM
DDR2



HDMI+VGA+LVDS

Features

- AMD® G Series APU Processor T56N-1.6GHz/T48N-1.4GHz
- AMD® Radeon™ HD6 Support DirectX® 11
- Gigabit LAN
- 6个USB
- Support WIFI/3G LAN

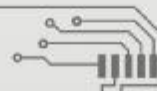
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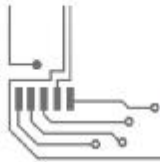
RPPC-1850-1600

AMD T56N-1.6G CPU with 2GB DDR3, 360G HDD, 18.5" LCD

RPPC-1850-1400

AMD T48N-1.4G CPU with 2GB DDR3, 360G HDD, 18.5" LCD





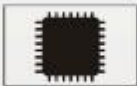
RPPC-2150

Intel® Atom™ solution for low power and high performance with DC POWER



Specification

Processor	CPU	AMD®G Series APU Processor T56N-1.6GHz/T48N-1.4GHz
System	Max.Capacity	2GB DDR2 Memory
	Video Memory	AMD® Radeon™ HD6 Support DirectX® 11
	Chipset	AMD® eBrazos + Hudson-M1
	Storage	SATA 360G HDD
	ATA/IDE	N/A
	WatchDog Timer	Programmable 1 ~ 255 sec.; Support System Reset
I/O Interface	LAN	LAN1: Realtek 8111DL GbE LAN
	Serial	N/A
	Parallel	N/A
	USB	4 * USB2.0/1.1 Compatible
	KB/MS	N/A
	LAN	N/A
	WLAN	Supported
	Expansion	Support HDMI 1.3, Type A, 19-Pin
	Slot	Resolution: up to 1920 * 1080 (1080P)
	Audio	1 x Line-out, 1 x Mic
	Amplifier Output	Build-in Speaker 3W
	Mini-PCIe	1 * Mini-PCIe slot
LCD Display	LCD	18.5" LVDS WSVGA Widescreen 16:9 Proportion
	Resolution	Resolution: up to 1680 * 1050
	Backlight	LED
	Luminance	500 nit
	Contrast Ratio	1000
Touch Screen	View Angle	170Deg.(H)/165Deg.(V)
	Television System	RPAL/NTSC/SECAM, 16bit audio, 255 Channels
	Input Interface	AV/TV/YPBPR/VGA/S terminals/Audio Interface
	Controller Interface	Infrared
	Transmittance	N/A
Mechanism	Resolution	1680 * 1050, 60Hz
	Panel/Panel Color	Aluminum/Black
	Installation	Hanging / Panel Mounting & VESA Cantilever-type Mounting
	Chassis Structure	Plastic Material
	Power Supply	AC 110V ~ 240V · 50 · 60Hz
	Consumption	Typical Consumption: 120W
	Dimensions	520mm * 400mm * 85mm
Parameter	Weight	12Kg
	Regulatory Compliance	CE RoHS compliant



AMD eBrazos + Hudson-M1



Gigabit LAN



Mini PCIe

Features

- AMD®G Series APU Processor T56N-1.6GHz/T48N-1.4GHz
- AMD® Radeon™ HD6 Support DirectX® 11
- Gigabit LAN
- 6 * USB
- Support WIFI/3G LAN
- TV Input
- Infrared remote control

Order Information

RPPC-2150-1600

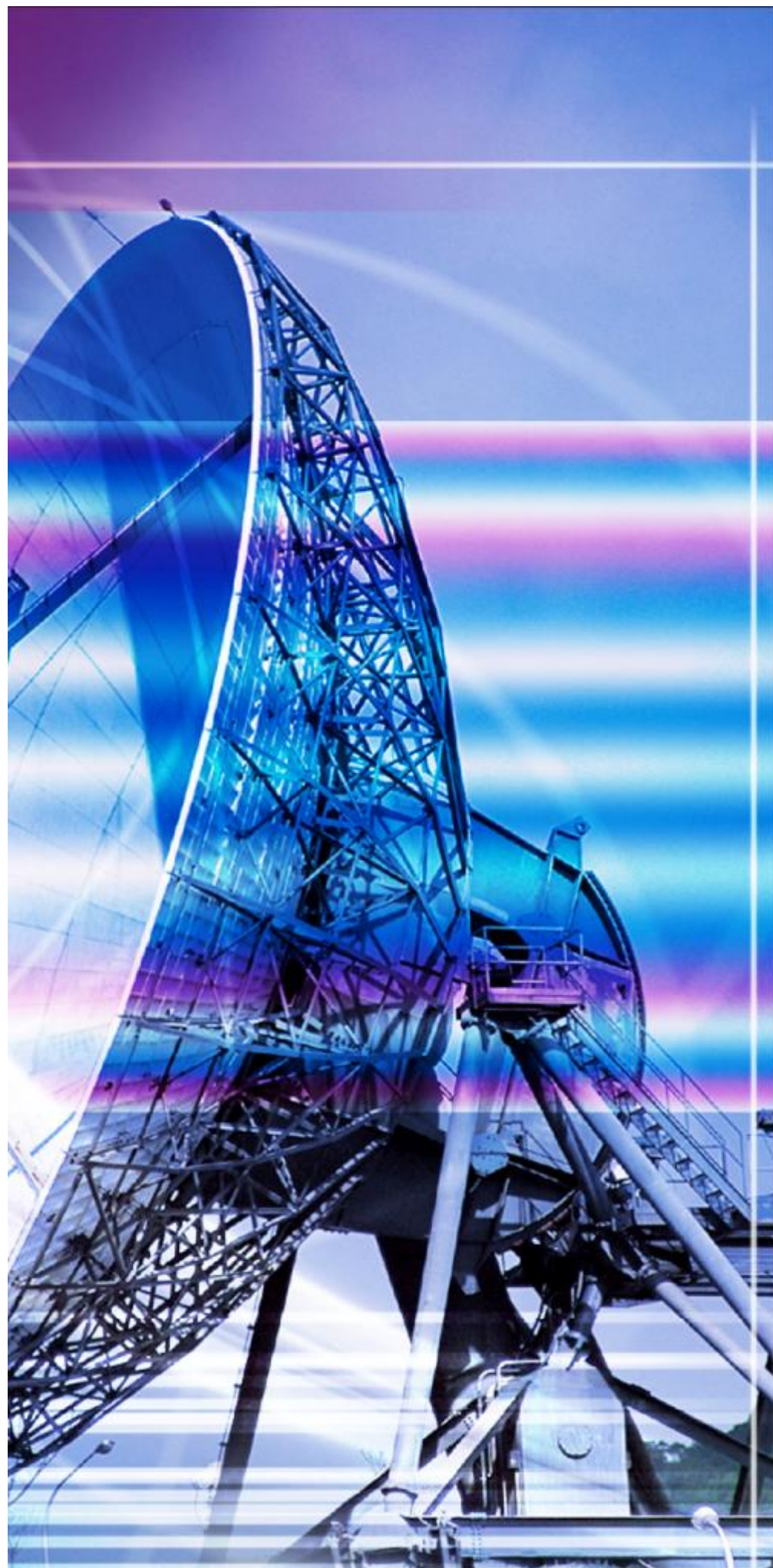
AMD T56N-1.6G CPU with 2GB DDR3, 360G HDD, 21.5" LCD

RPPC-1850-1400

AMD T48N-1.4G CPU with 2GB DDR3, 360G HDD, 21.5" LCD

ENC





ENC

ENC-6683

ENC-LX800

ENC-5835

ENC-5168

ENC-5146

ENC-5148

ENC-5800

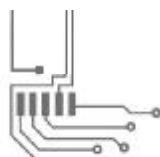
ENC-5850

ENC-5855

ENC-5856

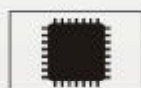
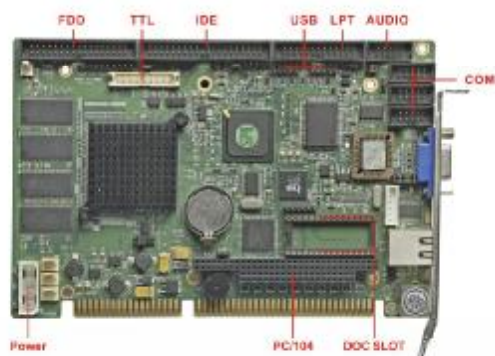
ENC-5860

ENC-5865



ENC-6683

A Reliable, Low Power and Cost Effective ISA Bus Embeddes Board



AMD Geode LX800
CS5536AD



Onboard Memory



Ac'97 Codec



CRT+LCD

Features

- Onboard[®]AMD Geode LX800-500MHz low power fanless CPU
- Onboard 128MB DDR1 memory
- Support 1 x 100M Base-T Ethernet
- Support 4 x USB 2.0 ports
- 4 * COM
- 1 * PC/104 ISA BUS

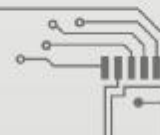
Specification

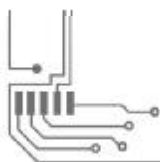
Processor	CPU	AMD [®] Geode LX800-500MHz
	CPU Socket	Onboard
System	Front Side Bus	100Mhz
	chipset	AMD [®] Geode CS5536
	BIOS	Award BIOS LPC (PLCC32)
	Technology	Onboard DDR 128MB
System Memory	Max.Capacity	Up to 256MB
	Socket	Optional
	Graphic	Onboard [®] AMD Geode LX800
Display	LCD	Support 9-24 bit (1ppc) and 18-24bit (2ppc) TFT panel Resolution: 1600*1200 @ 24 bpp (60 Hz)
	LVDS	N/A
	N/A	N/A
	DVI	N/A
	N/A	N/A
	HDMI	N/A
	N/A	N/A
	VGA	1 * DB-15 VGA Connector Resolution: Up to 1600 * 1200
	Dual Display	CRT + LCD
	Ethernet	Controller LAN1.10/100Mbps- Realtek 8100CL
Audio	Controller	Support AC'97 Audio controller (optional)
	Super I/O	Controller Winbond W83627
H/W Monitor	WatchdogTimer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	N/A
TPM	Controller	N/A
I/O Interface	USB	USB 2.0 /1.1compatible, Support up to 4 USB devices
	Serial	4 * (3 * RS-232, 1 * RS-232/422/485
	Paralelt	1
	PS/2	1
	GPIO	4-bit Input and 4-bit Output
	IEEE 1394	N/A
	Expansion Slot	PCleX16 N/A
	PCleX4	N/A
	PCleX1	N/A
	PCI104	PC/104 ISA Bus Connector
Storage	PCI	N/A
	Mini-PCle	N/A
	SATA	N/A
	IDE	1 * Channel ultra DMA-66 EIDE
	SSD	1 * 32-pins DOC Flash Disk SSD Socket or 128KB/256KB SRAM
	EEPROM	Provide 225 words(16 bit) EEPROM register for user
	Floppy Disk Drive	Support Up to two Floppy Disk Drives
Power Source	Power Supply	DC-in 5V @ 1.6A
	Consumption	Typical Consumption:10W
Environment	Working temp.	-20°C ~ 70°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90%relative humidity · non-condensing
	Storage Humidity	0% ~ 90%relative humidity · non-condensing
Form Factor	Dimensions	185mm * 122mm
	Weight	0.32kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

ENC-6683VEA/128M

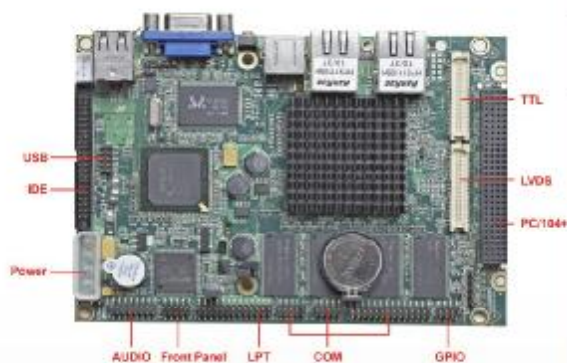
AMD LX800-500MHz with 128M DDR1, VGA/LCD, 4*COM, 1*LAN, PC/104, ISA Half-sized SBC





ENC-LX800

A Reliable, Low Power and Cost Effective ISA Bus Embedded Board



AMD Geode LX800
CS5536AD



Onboard Memory



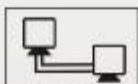
Ac'97 Codec



CRT+LCD/LVDS



VGA



Dual Gigabit
LAN

Features

- Onboard® AMD Geode LX800-500MHz low power fanless CPU
- Onboard 256MB DDR1 memory
- Support 2 * 100M Base-T Ethernet
- Support 24-bit TTL and 2 channel LVDS LCD display
- Support 4 * USB 2.0 ports
- Six serial ports, 6 ports for RS-232

Specification

Processor	CPU	AMD® Geode LX800-500MHz
	CPU Socket	Onboard
System	Front Side Bus	100Mhz
	chipset	AMD® Geode CS5536AD
	BIOS	AWARD 2Mbit Flash BIOS
System Memory	Technology	Onboard 256M DDR
	Max.Capacity	256M DDR
	Socket	N/A
Display	Graphic	Onboard® AMD Geode LX800
	LCD	Support 9-24 bit (1ppc) and 18-24bit (2ppc) TFT panel Resolution: 1600 * 1200 @ 24 bpp (60 Hz)
	LVDS	Support two channel 24bit LVDS Interface Resolution: Up to 1024 * 768
	DVI	N/A
	HDMI	N/A
	VGA	1 * DB-15 CRT Port Resolution: Up to 1600 * 1200
	Dual Display	CRT + LCD, CRT + LVDS
	Ethernet	Controller LAN1:10/100Mbps- RTL8100CL LAN2:10/100Mbps- RTL8100CL
Audio	Controller	Realtek ACL655 support AC97 audio stereo sound
Super I/O	Controller	SMSC-3114/3116 (Optional)
H/W Monitor	WatchdogTimer	Programmable 1 ~ 255 sec, Support System Reset
	Smart Fan	N/A
TPM	Controller	N/A
I/O Interface	USB	4 * USB 2.0/1.1 Compatible
	Serial	2 ~ 6个RS-232
	Parallet	1 * internal pin header, Support SPP/EPP mode
	PS/2	1 * PS/2
	GPIO	3-bit Input and 3-bit Output
	IEEE 1394	N/A
	Expansion Slot	PCIeX16 N/A PCIeX4 N/A PCIeX1 N/A PCI104 N/A PCI N/A Mini-PCIe N/A
Storage	SATA	N/A
	IDE	1
	SSD	N/A
	eSATA	N/A
	Compact Flash	1
Power Source	Power Supply	DC-in +5V (Optional ATX Type)
	Consumption	+5V @ 2.1A Typical Consumption:10W
Environment	Working temp.	-20°C ~ 70°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	102mm * 145mm
	Weight	0.148kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

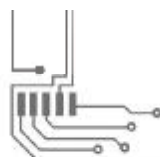
ENC-LX800VEA-2S/256M

AMD LX800-500MHz with 256M DDR1, VGA/LCD, 2*COM, 1*LAN, 3.5" SBC

Optional

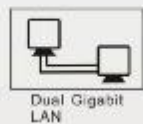
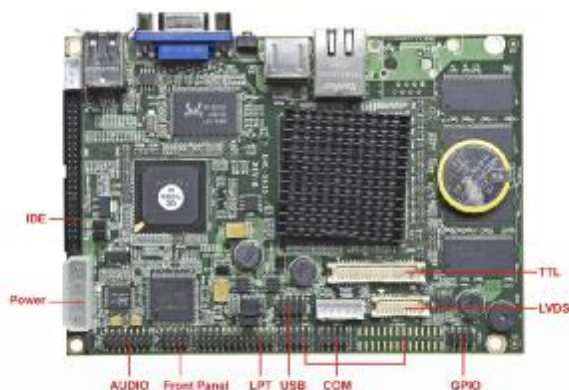
24bit LVDS, 2*LAN, 4*COM or 6*COM





ENC-5835

A Reliable, Low Power and Cost Effective AMD LX-800 Solution



Features

- Onboard AMD®Geode LX800-500MHz low power fanless CPU
- Onboard 512MB DDR1 memory
- Support 2 * 100M Base-T Ethernet
- Support 24bit TTL and 1 channel LVDS LCD display
- Support 4 * USB 2.0 ports
- Support 6 * COM Ports

Specification

Processor	CPU	AMD®Geode LX800-500MHz
	CPU Socket	Onboard
	Front Side Bus	100Mhz
	chipset	AMD®Geode CS5536AD
System	BIOS	AWARD 2Mbit Flash BIOS
	Technology	Onboard 256M DDR
	Max.Capacity	256M DDR
	Socket	N/A
System Memory	Graphic	Onboard ®AMD Geode LX800
	LCD	Support 9-24 bit (1ppc) and 18-24bit (2ppc) TFT panel Resolution: 1600 * 1200 @ 24 bpp (60 Hz))
	LVDS	Support two channel 24bit LVDS Interface Resolution: Up to 1024 * 768
	DVI	N/A
Display	HDMI	N/A
	N/A	N/A
	VGA	1 * DB-15 CRT Port Resolution: Up to 1600 * 1200
	Dual Display	CRT + LCD, CRT + LVDS
Ethernet	Controller	LAN1:10/100Mbps- RTL8100CL LAN2:10/100Mbps- RTL8100CL
	Audio	Controller Realtek ACL655 support AC97 audio stereo sound
Super I/O	Controller	SMSC-3114/3116 (Optional)
H/W Monitor	WatchdogTimer	Programmable 1 ~ 255 sec.,Support System Reset
	Smart Fan	N/A
TPM	Controller	N/A
I/O Interface	USB	4 * USB 2.0/1.1 Compatible
	Serial	2 ~ 6个RS-232
	Parallet	1 * internal pin header, Support SPP/EPP mode
	PS/2	1 * PS/2
	GPIO	3-bit Input and 3-bit Output
	IEEE 1394	N/A
	Expansion Slot	N/A
Storage	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI104	N/A
	PCI	N/A
	Mini-PCIe	N/A
	SATA	N/A
Power Source	IDE	1
	SSD	N/A
	eSATA	N/A
	Compact Flash	1
Power Source	Power Supply	DC-in +5V (Optional ATX Type)
	Consumption	+5V @ 2.1A Typical Consumption:10W
Environment	Working temp.	-20°C ~ 70°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity non-condensing
	Storage Humidity	0% ~ 90% relative humidity non-condensing
Form Factor	Dimensions	102mm * 145mm
	Weight	0.148kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

ENC-5835VEA-2S/256M

AMD LX800-500MHz with 256M DDR1, VGA/LCD, 2*COM, 1*LAN, 3.5" SBC

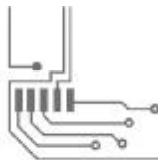
ENC-5835VEA-2S/512M

AMD LX800-500MHz with 512M DDR1, VGA/LCD, 2*COM, 1*LAN, 3.5" SBC

Optional

18bit LVDS, 2*LAN, 4*COM or 6*COM



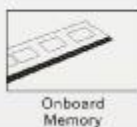


ENC-5168

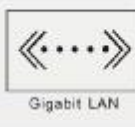
Low Power, High Reliable and Cost Effective with Ultra Mini Size Intel Menlow Solution



Intel Atom Z510
US15WP



Onboard
Memory



Gigabit LAN



7.1 Channel
Audio



VGA1+VGA2+LVDS

Features

- Intel®Atom processor Z510P 1.1 Ghz, Z530P 1.6Ghz
- Intel System Controller Hub US15WP
- Onboard 512MB DDR2 Memory
- Intel Graphics Media Accelerator 500 Support Full Hardware Acceleration
- Display type: 24-bit LVDS / Dual VGA

Specification

Processor	CPU	Intel®Atom™ processor Z510P-1.1Ghz, Option Z530P-1.6Ghz
	CPU Socket	Onboard
System	Front Side Bus	400/533MHz
	chipset	US15WP SOC (SCH)
	BIOS	System BIOS: AMI 8Mbit LPC (PLCC32)
System Memory	Technology	Single Channel DDR2 667 MHZ
	Max.Capacity	Up to 1GB
	Socket	N/A
Display	Graphic	Intel®GMA500 Integrated Graphics Accelerator
	LVDS	Support one channel 18bit/24bit LVDS Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	N/A
	VGA	Chrontel CH7317A, Dual VGA display (Clone model) Resolution: Up to 1920 * 1080
	Dual Display	VGA + LVDS, VGA + VGA, VGA + VGA + LVDS
	Ethernet	Controller LAN1:10/100/1000Mbps- Realtek 8111D LAN2: N/A
Audio	Controller	Realtek ALC662 HD Audio codec
	Super I/O	Controller Winbond W83627HW
H/W Monitor	WatchdogTimer	Programmable 1 ~ 255 sec; Support System Reset
	Smart Fan	N/A
TPM	Controller	N/A
I/O Interface	USB	4 * Usb 2.0/1.1 Compatible
	Serial	2 * Serial port for RS-232
	Parallel	One Internal pin header, Supports SPP/EPP Mode
	PS/2	1 * PS/2
	GPIO	N/A
	IEEE 1394	N/A
	Expansion Slot	PCIeX16 N/A PCIeX4 N/A PCIeX1 N/A PCI104 N/A PCI N/A Mini-PCIe N/A
Storage	SATA	1 * FPC SATA
	IDE	1 * One channel support up to two EIDE devices
	SSD	N/A
	eSATA	N/A
	Compact Flash	1 CF Type II socket
Power Source	Power Supply	DC-in +12V @ 3A
	Consumption	Typical Consumption:7W Standby PW:0.24W
Environment	Working temp.	-20 ~ 70°C, -40°C ~ 85°C (Optional)
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	145mm * 122mm
	Weight	0.285Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

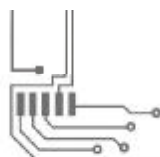
ENC-5168

Intel Z510P-1.1GHz CPU with 512MB DDR2, 2*VGA/LVDS, 2*COM, 4*USB, 1*LAN, CF, 3.5" SBC

ENC-5368

Intel Z530P-1.6GHz CPU with 1GB DDR2, 2*VGA/LVDS, 2*COM, 4*USB, 1*LAN, CF, 3.5"SBC





ENC-5146

Low Power, High Reliable and High Performance Intel Menlow Solution



Features

- Intel Atom processor Z510P 1.1 Ghz, Z530P 1.6Ghz
- Onboard 1GB DDR2 Memory
- Intel® GMA500 Integrated Graphics Accelerator
- Display type: 18/24-bit LVDS/VGA/HDMI/DVI
- 10/100/1000 Mbps LAN
- PC/104+, 6 * COM, 6 * USB

Specification

Processor	CPU	Intel® Atom™ processor Z510P-1.1GHz/ Z530-1.6GHz
System	CPU Socket	Onboard
	Front Side Bus	400/533MHz
	chipset	US15WP SOC (SCH)
	BIOS	System BIOS: AMI 8Mbit LPC (PLCC32)
System Memory	Technology	Single Channel DDR2 667 MHZ
	Max.Capacity	Up to 1GB
	Socket	N/A
Display	Graphic	Intel® GMA500 Integrated Graphics Accelerator
	LVDS	Support single channel 18bit/24bit LVDS Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	ICN-M202 HDMI Display Module (CH7315B) Resolution: Up to 1920 * 1080
	VGA	ICN-M200 VGA Display Module (CH7317A) Resolution: 1920 * 1080
	Dual Display	VGA + LVDS, HDMI + LVDS
Ethernet	Controller	LAN1:10/100/1000Mbps- Realtek 8111D
		LAN2:10/100Mbps- Realtek 8100CL
Audio	Controller	Realtek ALC662 HD Audio codec
Super I/O	Controller	SMSC3116
H/W Monitor	WatchdogTimer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	N/A
TPM	Controller	N/A
I/O Interface	USB	6 * USB 2.0/1.1 Compatible
	Serial	6 * (5 * RS-232, 1 * RS-232/RS-422/RS-485)
	Parallel	1 * (SPP/EPP)
	PS/2	1
	GPIO	3-bit Input and 3-bit Output
	IEEE 1394	N/A
	Expansion Slot	PCIeX16 N/A
		PCIeX4 N/A
		PCIeX1 N/A
		PCI104 PC/104 Plus 32Bit PCI BUS Socket
		PCI N/A
Storage	Mini-PCIe	N/A
	SATA	1 * SATA, 1 * FPC SATA Co-lay
	IDE	1
	SSD	N/A
	eSATA	N/A
	Compact Flash	1 CF Type II socket
Power Source	Power Supply	DC-in +12V @ 3A
	Consumption	Typical Consumption:12W Standby PW:0.24W
Environment	Working temp.	-20 ~ 70°C, -40°C ~ 85°C (Optional)
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	165mm * 116mm
	Weight	0.335Kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

ENC-5146FVSN

Intel Z510P-1.1GHz with 1GB DDR2 4" EPIC, VGA, LVDS, 1GB LAN, 1*100M LAN, 6USB, SATA, CF, PC104+

ENC-5146SVSN

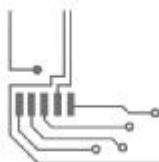
Intel Z510P-1.1GHz with 1GB DDR2 4" EPIC, VGA, LVDS, 1GB LAN, 6USB, SATA, CF
ENC-3* for Z530P-1.6GHz,

ENC-*****H** for HDMI

Optional: ICN-M203

PC/104 PLUS to 3*PCI





ENC-5148

Low Power, High Reliable and High Performance Intel Menlow Solution



Intel Atom Z510
US15WP



Onboard
Memory



HDMI



Gigabit LAN



7.1 Channel
Audio



VGA+LVDS

Features

- Intel® Atom processor Z510P 1.1 GHz, Z530P 1.6GHz
- Onboard 1GB DDR2 Memory
- Intel® Graphics Media Accelerator 500 Support Full Hardware Acceleration
- 18/24-bit LVDS+VGA/HDMI
- Onboard 4GB/8GB/16GB SSD
- 1000Mbps LAN, Support 3G Module

Specification

Processor System	CPU	Intel® Atom™ processor Z510P-1.1GHz, Z530P-1.6GHz
	CPU Socket	Onboard
	Front Side Bus	400/533MHz
	chipset	US15WP SOC (SCH)
	BIOS	System BIOS: AMI 8Mbit LPC (PLCC32)
System Memory	Technology	Single Channel DDR2 667 MHZ
	Max.Capacity	Onboard 1GB
	Socket	N/A
Display	Graphic	Intel® GMA500 Integrated Graphics Accelerator
	LVDS	Support one channel 18bit/24bit LVDS Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	ICN-M202 HDMI Display Module (CH7315B) Resolution: Up to 1920 * 1080
	VGA	ICN-M200 VGA Display Module (CH7317A) Resolution: Up to 1920 * 1080
	Dual Display	VGA + LVDS, HDMI + LVDS (Optional)
Ethernet	Controller	LAN1:10/100/1000Mbps- Realtek 8111D LAN2: N/A
Audio	Controller	Realtek ALC662 HD Audio codec
Super I/O	Controller	Winbond W83627DHG-P
H/W Monitor	WatchdogTimer	Programmable 1 ~ 255 sec; Support System Reset
	Smart Fan	N/A
TPM	Controller	N/A
I/O Interface	USB	7 * (5 x USB 2.0/1.1 · 2 x USB2.0)
	Serial	1 * RS-232, 1 * RS-232/RS-485
	Parallel	One internal pin header, Support SPP/EPP mode
	PS/2	1 * PS/2
	GPIO	5-bit Input and 5-bit Output
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI104	N/A
	PCI	N/A
	Mini-PCIe	1 * MINI-PCIe Bus Slot
Storage	SATA	1 * SATA, 1 * FPC SATA Co-lay
	IDE	N/A
	SSD	Optional 4GB/8GB/16GB SST SSD
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in +12V @ 3A
	Consumption	Typical Consumption:12W Standby PW:0.24W
Environment	Working temp.	-20 ~ 70°C, -40°C ~ 85°C (Optional)
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	165mm * 116mm
	Weight	0.309kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

ENC-5148VSN

Intel Z510P-1.1GHz with 1GB DDR2 4" EPIC, VGA, LVDS, 1GB LAN, 7USB, SATA

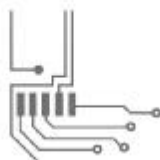
ENC-5148HSN

Intel Z510P-1.1GHz with 1GB DDR2 4" EPIC, HDMI, LVDS, 1GB LAN, 7USB, SATA

ENC-***** for Z530P-1.6GHz

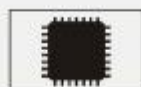
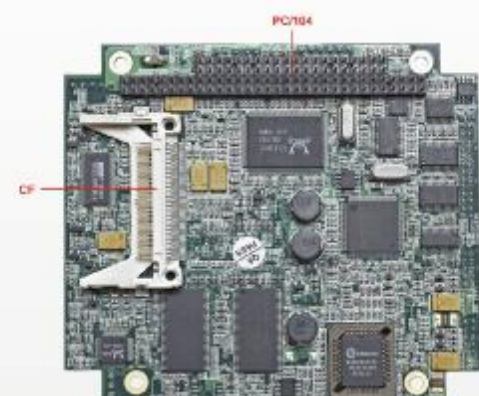
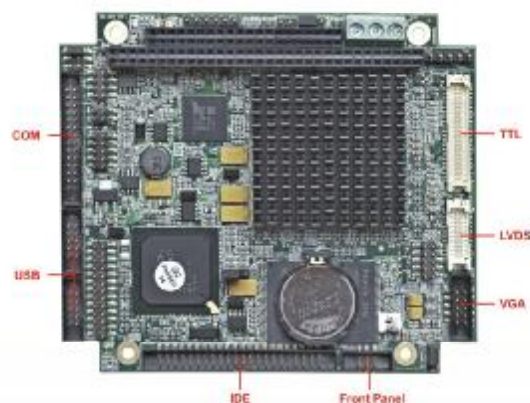
ENC-*****S04/08/16 for Onboard 4G/8G/16G SSD

Optional peripherals: 3G Module/WIFI Module



ENC-5800

Low Power, High Reliable and High Performance Intel Menlow Solution



AMD® Geode LX800
CS5536AD



Onboard
Memory



VGA



CRT+LCD/LVDS



AC97 Codec

Features

- Intel® Atom processor Z510P 1.1 Ghz, Z530P 1.6Ghz
- Onboard 256MB DDRIMemory
- Support 2 * 100M Base-T Ethernet
- Support 24bit TTL and 2 channel LVDS LCD display
- Support 4 * USB 2.0 ports
- 4 * COM (COM2 support RS-232/422/485)
- 1 * 16-bit ISA BUS PC/104 Slot

Specification

Processor System	CPU	AMD® GeodeLX800-500MHz
	CPU Socket	Onboard
	Front Side Bus	100MHz
	chipset	AMD®Geode CS5536AD
	BIOS	AWARD BIOS
System Memory	Technology	Onboard 256M DDR
	Max.Capacity	256M DDR
	Socket	Onboard
Display	Graphic	Onboard AMD® Geode LX800
	LCD	Support 9/24 bit(1ppc) and 18/24-bit (2ppc) TFT panel Resolution: 320 * 240 to 1600 * 1200 @ 24 bpp (60 Hz)
	LVDS	Single Channel 18/bit LVDS Interface Resolution: Up to 1024* 786
	DVI	N/A
	HDMI	N/A
	VGA	Onboard DB-15 CRT Port Resolution: Up to 1600 * 1200
	Dual Display	CRT + LCD, CRT + LVDS
	Ethernet	Controller LAN1:10/100Mbps- RTL8100CL LAN2:N/A
	Audio	Controller Realtek ACL655 Support AC97 Audio Stereo Sound
	Super I/O	Controller SMSC 3114/3116
H/W Monitor	WatchdogTimer	Programmable 1 ~ 255 sec.,Support System Reset
	Smart Fan	N/A
TPM	Controller	N/A
I/O Interface	USB	4 * USB 2.0/1.1 Compatible
	Serial	4 * (3 * RS-232,1 * RS-422/422/485)
	Parallel	1 * Internal pin header, support SPP/EPP mode
	PS/2	1 * PS/2
	GPIO	General purpose 3 channels Input and 3 channels Output
	IEEE 1394	N/A
	Expansion Slot	PCleX16 N/A PCleX4 N/A PCleX1 N/A PCI104 1 * PC / 104 ; 16bit ISA Bus Slot PCI N/A Mini-PCle N/A
Storage	SATA	N/A
	IDE	One Channel Support up to Two EIDE devices
	SSD	N/A
	eSATA	N/A
	Compact Flash	1
Power Source	Power Supply	+5V @ 2.1A, +12V @ 0.9A (Optional)
	Consumption	Typical Consumption:10W
Environment	Working temp.	-20°C ~ 70°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	100mm * 96mm
	Weight	0.128kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

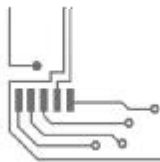
ENC-5800F

AMD LX800-500MHz with 256M DDR, VGA/LCD/LVDS, 4COM, 1*LAN, PC/104 BUS

ENC-5800S

AMD LX800-500MHz with 256M DDR, VGA/LCD/LVDS, 4COM, 1*LAN



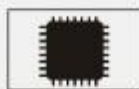


ENC-5850

AMD® Fusion APU with High Performance for Full HD Digital Signage



COMING SOON



AMD eBrazos+
Hudson-M1



Onboard
Memory



VGA



CRT+LVDS



Gigabit LAN

Features

- AMD® Fusion Series APU
- Hardware Decode for 1080P MPEG-2, H.264 and VC-1 Playback
- VGA + LVDS Independent display
- Support DirectX 11®, Support OpenGL 3.0
- PC104 port
- 4 * COM
- Onboard 1G DDR3 Memory

Specification

Processor	CPU	AMD®G-Series APU Duo T40R - 1.0GHz/T40E - 1.0GHz (Dual Core)
System	CPU Socket	Onboard
	Front Side Bus	800/1066/1333MHz
	chipset	AMD®eBrazos + Hudson-M1
	BIOS	AMI EFI BIOS
System Memory	Technology	Dual Channel DDR3 800/1066/1333MHz FSB
	Max.Capacity	Up to 1GB
	Socket	Onboard
Display	Graphic	AMD®Radeon™ HD6 Support DirectX® 11
	LVDS	Support Dual channel 18/24bit Resolution: up to 1920 * 1200 (Support 1080P)
	VGA	1 * Onboard pin header 2 * VGA Resolution: up to 2560 * 1600
	HDMI	N/A
	Display Port	N/A
		N/A
	Dual Display	CRT + LVDS
Ethernet	Controller	LAN1: Realtek 8111E GbE LAN LAN2: N/A
Audio	Controller	Realtek ALC662 HD audio codec (Line-out)
Super I/O	Controller	SMSC3114
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	1 * 3 Pin DC CPU Fan line control
TPM	Controller	N/A
I/O Interface	USB	4 * USB 2.0/1.1 Compatible
	Serial	4 * (3 * RS-232, 1 * RS-232 / RS-422 / RS-485)
	Parallel	1
	PS/2	1
	GPIO	4-bit Input and 4-bit Output
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI104	1 * PC / 104 ;16 bit ISA Bus Slot
	Mini-PCIe	N/A
	USIM	N/A
Storage	SATA	1 * SATA II , 1 * FPC SATA II
	SSD	N/A
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in 12V @ 3V
	Consumption	Typical Consumption:12W
Environment	Working temp.	-20°C ~ 80°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity - non-condensing
	Storage Humidity	0% ~ 90% relative humidity - non-condensing
Form Factor	Dimensions	PC104 (100mm * 96mm)
	Weight	N/A
Regulatory Compliance		FCC, CE, VCCI, RoHS compliant

Order Information

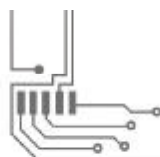
ENC-5850-T40R

AMD Single Core T40R-1.0GHz with 1GB DDR3, VGA/LVDS, 4*COM, 1*LAN, PC104 BUS

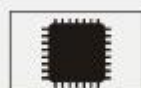
ENC-5850-T40E

AMD Dual Core T40E-1.0GHz with 1GB DDR3, VGA/LVDS, 4*COM, 1*LAN, PC104 BUS



**ENC-5855**

AMD® Fusion APU with High Performance for Full HD Digital Signage

Intel Atom N4551-1
CG82NM10Onboard
Memory

VGA+LVDS

Dual Gigabit
LAN7.1 Channel
Audio**Features**

- Intel® Atom processor N455 1.6 Ghz, N475 1.83Ghz
- Intel® CG82NM10 PCH
- Onboard 1GB DDR3 Memory
- Intel® Integrated Graphics Media Accelerator 3150 support full hardware acceleration
- Display type: 18/24-bit LVDS+VGA+TV
- Dual Gigabit LAN
- 6 * COM

Specification

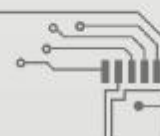
Processor	CPU	Intel® Atom™ Processor N455-1.6GHz/N475 1.83Ghz
System	CPU Socket	Onboard
	Front Side Bus	667MHz
	chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Single Channel DDRIII 667 MHZ
	Max.Capacity	Up to 2GB
	Socket	Onboard
Display	Graphic	Intel® Integrated Graphics Media Accelerator 3150
	LVDS	Support Single Channel 18/24Bit output Resolution up to 1280 * 800 or 1366 * 768
	VGA	Resolution up to 1920 * 1080
	DVI	N/A
	HDMI	N/A
	Dual Display	LVDS + VGA
Ethernet	Controller	LAN1: Realtek 8111E GbE LAN
		LAN2: Realtek 8111E GbE LAN
Audio	Controller	Realtek ALC662 HD audio codec(Line out +Mic)
	Amplifier	Up to 6W
Super I/O	Controller	SMSC3116
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	3 Pin DC FAN Control
I/O Interface	USB	6 * USB2.0/1.1 Compatible
	Serial	6 * (5 * RS-232, 1 * RS-232 / RS-422 / RS-485)
	Parallet	1个
	PS/2	1个
	IrDA	N/A
	GPIO	General purpose 4 channels Input and 4 channels Output
	Smbus	N/A
	Expansion Slot	
	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	N/A
	Storage	
	SATA	1 * SATAII
	IDE	N/A
	eSATA	N/A
	Compact Flash	1
Power Source	Power Supply	DC-in +12V @ 3A
	Consumption	Typical Consumption:16W
Environment	Working temp.	-20 ~ 60°C
	Storage temp.	-40 ~ 85°C
	Working Humidity	0% ~ 90% relative humidity non-condensing
	Storage Humidity	0% ~ 90% relative humidity non-condensing
Form Factor	Dimensions	3.5" 102mm * 145mm
	Weight	N/A
Regulatory Compliance		FCC, CE, RoHS compliant

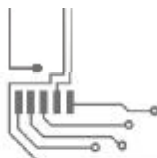
Order Information**ENC-5855-N455**

Intel ATOM N455-1.6GHz CPU with 1GB DDR3, VGA/LVDS, 6*COM, 6USB, 2*LAN, 3.5" SBC

ENC-5855-N475

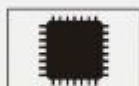
Intel ATOM N475-1.83GHz CPU with 1GB DDR3, VGA/LVDS, 6*COM, 6USB, 2*LAN, 3.5" SBC





ENC-5856

Low Power and Ultra Mini Size with Intel Atom Solution



Intel Atom N270
945GSE + ICH7M



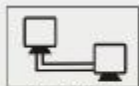
SODIMM
DDR2 400/533



Fanless



DC Power



Dual Gigabit
LAN



DVI-I+LVDS

Features

- Fanless Design & Ultra Mini Size
- DVI-I + LVDS
- 4 * COM, 4 * USB
- DC Power +12V
- Dual Intel® Gigabit LAN

Specification

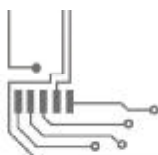
Processor	CPU	Intel® Atom processor N270
	CPU Socket	Onboard
System	Front Side Bus	400/533MHz
	chipset	Intel® 945GSE + Intel ICH7M
	BIOS	AMI 8M with VGA BIOS, SPI
	Technology	Single Channel DDR2 400/533 MHz
System Memory	Max.Capacity	Up to 2GB
	Socket	1 * 200pin DDR2 SO-DIMM
Display	Graphic	Intel® GMA950 Integrated Graphics
	LVDS	Support 18bit dual channel LVDS Resolution: Up to 2048 * 1536
	DVI	Converting from CH7307C to DVI-I Resolution: Up to 1600 * 1200
	HDMI	N/A
	VGA	N/A
	Dual Display	CRT + LVDS, CRT + DVI, LVDS + DVI
Ethernet	Controller	LAN1: Intel® 82574L GbE LAN LAN2: Intel® 82574L GbE LAN
	Audio	Controller Realtek ALC888 HD audio codec
Super I/O	Controller	ITE IT8783F
	H/W Monitor Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
TPW	Smart Fan	N/A
	Controller	N/A
I/O Interface	USB	4 * USB 2.0 /1.1 (2 x front, 2 x on-board)
	Serial	4 * One RS-232/422/485 and Three RS-232
	Parallet	N/A
	PS/2	1 * pin-header, 10pin
	IrDA	4-bit Input and 4-bit Output
	GPIO	N/A
Expansion Slot	Smbus	N/A
	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	1 * PCIe slot
Storage	SATA	2 * SATA II
	IDE	N/A
	SSD	N/A
	eSATA	N/A
	Compact Flash	1
Power Source	Power Supply	DC-in +12V @ 3A
	Consumption	Typical Consumption: 12W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	146mm * 102mm (3.5")
	Weight	0.24kg
Regulatory Compliance		FCC, CE, BSMI, VCCI, RoHS compliant

Order Information

ENC-5856

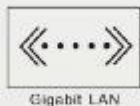
Intel ATOM N270 1.6G CPU, DVI-I/LVDS, 5*COM, 2*Gbe LAN, 3.5" SBC





ENC-5860

Intel® Cedar Trail Processor N2600/2800



Features

- Intel®Cedar Trail Processor N2600/2800
- Onboard 1GB/2GB DDR3
- Intel® Graphics Media Accelerator 3600/3650
- 6 * USB, 4 * COM
- Fanless
- Extended Operating Temperature

Specification

Processor	CPU	Intel®Cedar Trail Processor N2600/2800
	CPU Socket	Onboard
System	Front Side Bus	800/1066Mhz
	chipset	G82NM10
	BIOS	System BIOS: SPI BIOS
	Technology	Onboard 1GB/2GB DDR3 (Optional)
System Memory	Max.Capacity	Up to 2GB
	Socket	N/A
	Display	Graphic
Display	LCD	Intel® Graphics Media Accelerator 3600/3650
		N/A
		N/A
	LVDS	Support Single Channel 18/24-bit LVDS
		Resolution:1366 * 768
	DVI	N/A
		N/A
	HDMI	N/A
		N/A
	VGA	Onboard DB-15 CRT port
Ethernet		Resolution: up to 1920 * 1200
	Dual Display	CRT + LVDS
	Controller	LAN1:10/100/1000Mbps- RTL8111E
Audio		LAN2: N/A
	Controller	Realtek ALC662 HD_Audio Codec
Super I/O	Controller	SMSC 3114
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	N/A
TPW	Controller	N/A
I/O Interface	USB	6 * USB 2.0/1.1 Compatible
	Serial	4 * (3 x RS-232 port,1xRS-232/422/458)
	Parallet	One internal pin header, support SPP/EPP mode
	PS/2	1 * PS/2
	GPIO	3-bit Input and 3-bit Output
	IEEE 1394	N/A
		N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI104	32 bit PC104 Plus
	PCI	N/A
	Mini-PCIe	N/A
		N/A
Storage	SATA	2 * SATAII
	IDE	N/A
	SSD	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in +12V @ 3A
	Consumption	Typical Consumption:10 W
Environment	Working temp.	-40°C ~ 85°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	PC104 (100mm * 96mm)
	Weight	0.24kg
Regulatory Compliance		FCC, CE, RoHS compliant

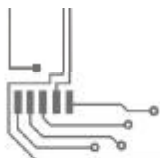
Order Information

ENC-5865-N2600

Intel N2600 1.6G CPU with 1GB DDR3, VGA/LVDS, 4*COM, 6*USB, 1*Gbe LAN, PC/104 Plus BUS

ENC-5865-N2800

Intel N2800 1.86G CPU with 1GB DDR3, VGA/LVDS, 4*COM, 6*USB, 1*Gbe LAN, PC/104 Plus BUS

**ENC-5865**

A Reliable, Low Power and Cost Effective AMD LX-800 Solution

Intel Cedar N2600
G82NM10Onboard
Memory

VGA

7.1 Channel
Audio

CRT+LCD



Three Gigabit LAN



HDMI

Features

- Intel® Cedar Trail Processor N2600/2800
- Onboard 1GB/2GB DDR3
- Intel® Graphics Media Accelerator 3600/3650
- 6 * USB2.0, 6 * COM, 1 * Mini-PCIe support 3G LAN
- LVDS + VGA, LVDS + HDMI
- 3 * Gigabit LAN

Specification

Processor System	CPU	Intel® Cedar Trail Processor N2600/2800
	CPU Socket	Onboard
	Front Side Bus	800/1066Mhz
	chipset	G82NM10
System Memory	BIOS	System BIOS: SPI BIOS
	Technology	Onboard 1GB/2GB DDR3 (Optional)
	Max.Capacity	Up to 2GB
	Socket	N/A
Display	Graphic	Intel® Graphics Media Accelerator 3600/3650
	LCD	N/A
		N/A
	LVDS	Support Single Channel 18/24 bit LVDS Resolution:1366 * 768
	DVI	N/A
		N/A
	HDMI	Support HDMI 1.3 Resolution:1920 * 1200
	VGA	Onboard DB-15 VGA port Resolution: up to 1920 * 1200
Ethernet	Dual Display	CRT + LVDS , CRT + HDMI
	Controller	LAN1:Realtek 82574L GbE LAN
		LAN2:Realtek 82574L GbE LAN
		LAN3:Realtek 82574L GbE LAN
Audio	Controller	Realtek ALC662 HD Audio Codec
Super I/O	Controller	SMSC 3116
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.;Support System Reset
	Smart Fan	N/A
TPW	Controller	N/A
I/O Interface	USB	6 * USB 2.0/1.1 Compatible
	Serial	6 * (5xRS-232 ports,1xRS-232/422/485)
	Parallet	One internal pin header, support SPP/EPP mode
	PS/2	1 * PS/2
	GPIO	3-bit Input and 3-bit Output
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI104	N/A
	PCI	N/A
	Mini-PCIe	1 * Mini-PCIe 1x Support 3G LAN
Storage	SATA	2 * SATA
	IDE	N/A
	SSD	Onboard SSD (16G/32G)
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in +12V @ 3A
	Consumption	Typical Consumption:10W
Environment	Working temp.	-20°C ~ 60°C
	Storage temp.	-40°C ~ 85°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	3.5" 102mm * 145mm
	Weight	0.24kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information**ENC-5865-N2600**

Intel N2600 1.6G CPU with 1GB DDR3, VGA/HDMI/LVDS, 6*COM, 6*USB, 3*Intel Gbe LAN, Mini-PCIe, 3.5" SBC

ENC-5865-N2800

Intel N2800 1.85G CPU with 1GB DDR3, VGA/HDMI/LVDS, 6*COM, 6*USB, 3*Intel Gbe LAN, Mini-PCIe, 3.5" SBC

GMX





GMX

GMX-IL1600

GMX-IL1700

GMX-IL1800

GMX-IL1900

GMX-IL1901

GMX-IL1902

GMX-IL1903

GMX-IL1904

GMX-IL1911

GMX-IL9810

GMX-1L1913

GMX-IL9830C

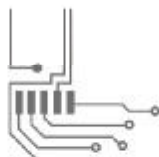
GMX-IL9834

GMX-IL9876

EPIA-LN10000

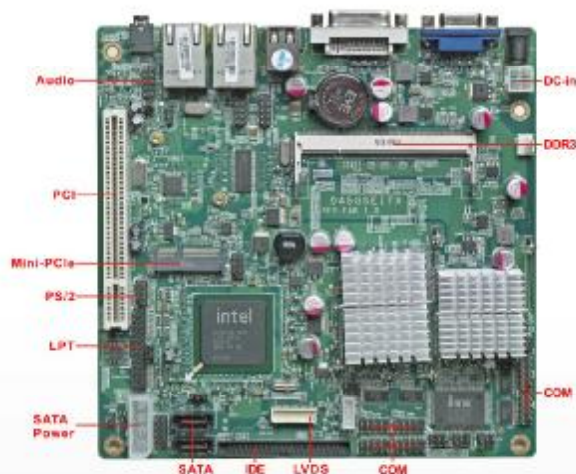
VB-7001





GMX-IL1600

Intel® Atom™ solution for low power and entry application with DC power



Intel 845GSE + ICH7M



SODIMM DDR2 400/533



Dual Gigabit LAN



CF



Mini PCIe



LVDS/DVI+VGA

Features

- Ultra low power and fanless system
- Slim and thin client without noise
- Intel® Atom™ mobile processor
- Two SATA Ports
- Support VGA/LVDS/DVI/TV display output
- 1 x CF card slot, 1 x MiniPCIe, 1 x IDE

Specification

Processor	CPU	Intel® Atom™ N270 1.6 Ghz
	CPU Socket	Onboard
	Front Side Bus	533MHz
	chipset	Intel® 945GSE + ICH7M
	BIOS	SP1 System BIOS
System Memory	Technology	Single channel DDR2 400/533Mhz
	Max.Capacity	Up to 2GB
	Socket	1 * 200Pin DDR2 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 950
	LVDS	Support dual channel 18-bit output Resolution: Up to 1600 * 1200 (QXGA)
	DVI	Converting from Chronitel CH7307C to DVI Resolution: Up to 1920 * 1080 (QXGA)
	HDMI	N/A
	Display port	N/A
	Dual Display	LVDS + VGA, DVI + VGA,
Ethernet	Controller	LAN1: Realtek RTL8111DL Gbe LAN LAN2: Realtek RTL8111DL Gbe LAN(Optional)
	Controller	Realtek ALC662 HD Audio Codec (Mic-in, Line-out)
Audio	Controller	Realtek ALC662 HD Audio Codec (Mic-in, Line-out)
Super I/O	Controller	ITE 8782
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	3 pin DC Fan Control
TPW	Controller	N/A
I/O Interface	USB	6 * USB2.0/1.1 Compatible
	Serial	6 * (5 x RS-232, 1 x RS-232/422/485) COM3/4/5 pin9 supply 0V/5V/12V
	Parallel	1 * LPT
	PS/2	1 * PS/2
	GPIO	4-bit Input and 4-bit Output
	IEEE 1394	N/A
	Expansion Slot	PCIeX16 N/A PCIeX4 N/A PCIeX1 N/A PCI 1 * 32 bit/33MHz PCI Slot
	Mini-PCIe	1 * Mini-PCIe 1x Slot
Storage	SATA	2 * SATA, Max.transfer rate 3Gb/s
	IDE	1 * 44pin IDE
	eSATA	N/A
	Compact Flash	1 * CF Socket, Support DMI/PIO Mode
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption:18W
Environment	Working temp.	-10°C ~ 50°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	5% ~ 90% relative humidity · non-condensing
	Storage Humidity	5% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	170 mm * 170 mm (6.69" * 6.69")
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

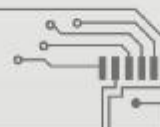
Order Information

GMX-IL1610

Intel N270 1.6GHz CPU, VGA/LVDS, 2*COM, 6*USB, 1*LAN, DC Power in MINI-ITX Board

GMX-IL1620

Intel N270 1.6GHz CPU, VGA/DVI/LVDS, 6*COM, 6*USB, 2*LAN, DC Power in MINI-ITX Board





GMX-IL1700 Intel® Atom™ D425 Mini-ITX for low power



Intel Atom D425
G82NM10



SODIMM
DDR3 800



LVDS+VGA/LVDS



7.1 Channel
Audio



DC Power

Features

- DDR3 SODIMM for better memory supply
- Gigabit Lan
- Support Two LVDS Slots (Dual 18/24bit LVDS and single 18/24bit LVDS)
- Support 1 × MIN-PCIe, 2 SATA
- DC Power 12V
- The height of the PC is only 20mm

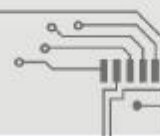
Specification

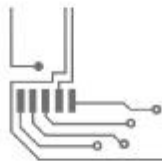
Processor	CPU	Intel® Atom™ D425-1.6GHz(Duo Core)
System	CPU Socket	Onboard
	Front Side Bus	800MHz
	chipset	CG82NM10
System	BIOS	System BIOS: SPI BIOS
	Technology	Single Channel DDR3 800Mhz
	Max.Capacity	Up to 4GB
Memory	Socket	1 * 204Pin DDR3 SO- DIMM Slot
	Graphic	Intel® Graphics Media Accelerator 3150
Display	LVDS	Support dual channel 18-bit and 24-bit output Resolution: Up to 1920 * 1200 (QXGA)
	DVI	N/A
	HDMI	N/A
	Display port	N/A
	Dual Display	N/A
	LVDS+VGA, LVDS + LVDS	
Ethernet	Controller	LAN1: Realtek RTL8111DL Gbe LAN LAN2: N/A
Audio	Controller	Realtek ALC662 HAD (Rear Line Out + MIC + Speaker) Max.PW:2W
Super I/O	Controller	ITE IT8781F
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support system reset
	Smart Fan	3 pin DC Fan control
TPW	Controller	N/A
I/O Interface	USB	6 * USB2.0/1.1 Compatible
	Serial	2 * RS232
	Parallet	N/A
	PS/2	1 * PS/2
	GPIO	2-bit Input and 2-bit Output
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	1 * 32bit/33MHz PCI Slot
	Mini-PCIe	1 * Mini-PCIe, Support 3G wireless
Storage	SATA	2 * SATA, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption:18W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.267kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

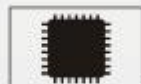
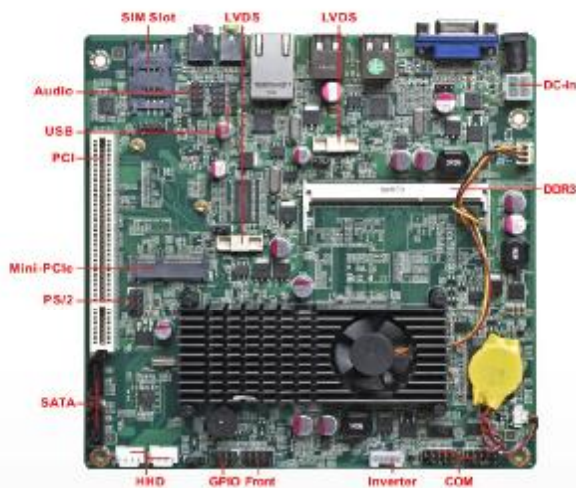
GMX-IL1700

Intel D425 1.6GHz CPU, VGA/LVDS, 2*COM, 1*LAN, 6*USB, MINI PCIe, DC Power in MINI-ITX Board





GMX-IL1800 Intel® Atom™ D525 Mini-ITX for low power



Intel® Atom™
D525+G82NM10



SODIMM
DDR3 800



LVDS+VGA/LVDS



7.1 Channel
Audio



Gigabit LAN



DC Power

Features

- DDR3 SO-DIMM for better memory supply
- Gigabit LAN
- Support Two LVDS Slots (Dual 18/24bit LVDS and single 18/24bit LVDS)
- Support 1 * PCIe16, 1 * Mini-PCIe, 2 * SATA
- DC Power 12V
- The height of the PC is only 20mm

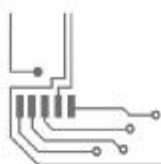
Specification

Processor	CPU	Intel® Atom™ D525-1.8G (Dual Core)
System	CPU Socket	Onboard
	Front Side Bus	800MHz
	chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Single channel DDR3 800Mhz
	Max.Capacity	Up to 4GB
	Socket	1 * 204Pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3150
	LVDS	Support dual channel 18-bit and 24-bit output Resolution: Up to 1920 * 1200 (QXGA)
	DVI	N/A
	HDMI	N/A
	Display Port	N/A
	Dual Display	N/A
		LVDS+VGA, LVDS + LVDS
Ethernet	Controller	LAN1: Realtek RTL8111DL Gbe LAN LAN2: N/A
Audio	Controller	Realtek ALC662 HAD (Rear Line Out+MIC+Speaker) Max.PW:2W
Super I/O	Controller	ITE IT8781F
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	3 pin DC Fan control
TPW	Controller	N/A
I/O Interface	USB	6 * USB2.0/1.1 Compatible
	Serial	2 * RS-232
	Parallel	N/A
	PS/2	1 * PS/2
	GPIO	2-bit Input and 2-bit Output
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	1 * 32-bit/33MHz PCI Slot
	Mini-PCIe	1 * Mini-PCIe, support 3G wireless
Storage	SATA	2 * SATA, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption:1.8W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.267kg
Regulatory Compliance		FCC, CE, RoHS compliant

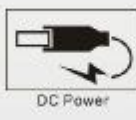
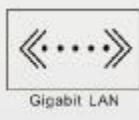
Order Information

GMX-IL1800

Intel D525 1.8GHz CPU, VGA/LVDS, 2*COM, 1*LAN, 6*USB, MINI PCIe, DC Power in MINI-ITX Board



GMX-IL1900 Intel® Atom™ D525 Mini-ITX for low power



Features

- Support Intel® Pineview® D525 Dual Core CPU
- Gigabit LAN
- Support Two LVDS Slots (Dual 18/24bit LVDS and single 18/24bit LVDS)
- Support 1 x PCIe16, 1 x Mini-PCIe, 2 x SATA
- Support 12V DC Power

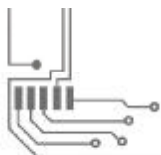
Specification

Processor	CPU	Intel® Atom™ D525-1.8G(Duo Core)
	CPU Socket	Onboard
System	Front Side Bus	800MHz
	chipset	CG82NM10
System Memory	BIOS	System BIOS: SPI BIOS
	Technology	Single channel DDR3 800Mhz
Display	Max.Capacity	Up to 4GB
	Socket	1 * 204Pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3150
	LVDS	Support single channel 18-bit and 24-bit output Resolution: Up to 1920 * 1200 (QXGA)
Display	DVI	N/A
	HDMI	N/A
Display	VGA	DB15 VGA Port Resolution: 1400 * 1050
	Dual Display	LVDS + VGA
Ethernet	Controller	LAN1: Realtek RTL8111DL Gbe LAN LAN2: N/A
Audio	Controller	Realtek ALC662 HAD (Rear Line Out+MIC+Speaker) Max.PW:2W
Super I/O	Controller	ITE IT8781F
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec., Support System Reset
	Smart Fan	3 pin DC Fan control
TPW	Controller	N/A
I/O Interface	USB	7 * USB2.0/1.1 Compatible
	Serial	4 (3 * RS-232, 1 * RS-232/RS-422/RS-485)
I/O Interface	Parallel	1
	PS/2	1 * PS/2
I/O Interface	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
Expansion Slot	PCIeX1	N/A
	PCI	1 * 32-bit/33MHz PCI Slot
Storage	Mini-PCIe	1 * Mini-PCIe, support 3G wireless
	SATA	2 * SATA, Max.transfer rate 3Gb/s
Storage	IDE	N/A
	eSATA	N/A
Storage	Compact Flash	N/A
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption:18W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
Environment	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

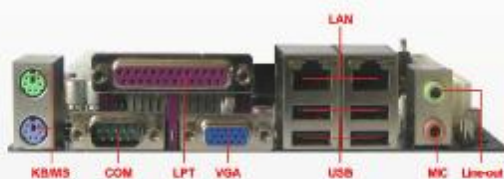
GMX-IL1900

Intel D525 1.8GHz CPU, VGA/LVDS, 4*COM, 1*LAN, 6*USB, MINI PCIe, DC Power in MINI-ITX Board



GMX-IL1901

Intel® Atom™ D525 Mini-ITX for low power



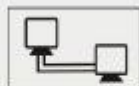
Intel® Atom™
D525-G82NM10



SODIMM
DDR3 800



VGA+LVDS



Dual Gigabit
LAN



7.1 Channel
Audio

Features

- Intel® Atom™ Pineview D525 Dual Core CPU, to maximize performance
- Support Dual Gigabit LAN, support Wake on LANs
- Support Dual Display: LVDS Slot(Single channel 18 bit LVDS) and VGA
- Support Mini-PCIe, 2 * SATA
- 4 * COM, 7 * USB
- Support ATX power

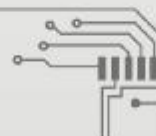
Specification

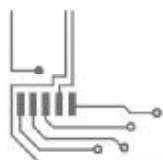
Processor	CPU	Intel® Atom™ D525-1.8G(Dual Core)
System	CPU Socket	Onboard
	Front Side Bus	800MHz
	chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Single channel DDR3 800MHz
	Max.Capacity	Up to 4GB
	Socket	1 * 204Pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3150
	LVDS	Support dual channel 18-bit and 24-bit output Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	N/A
	VGA	N/A
	VGA	DB15 VGA Port Resolution: Up to 1400 * 1050
	Dual Display	LVDS+VGA
Ethernet	Controller	LAN1: Realtek RTL8111E Gbe LAN LAN2: Realtek RTL8111E Gbe LAN
	Controller	Realtek ALC662 HD Codec(Rear Line Out + MIC + Speaker)
Audio	Controller	Realtek ALC662 HD Codec(Rear Line Out + MIC + Speaker)
Super I/O	Controller	ITE IT8781F
H/W Monitor	Watchdog Timer	N/A
	Smart Fan	3 pin DC Fan control
TPW	Controller	N/A
I/O Interface	USB	7 * USB2.0/1.1 Compatible
	Serial	4 * (1 * RS-232, 3 * RS-232/RS-422/RS-485)
	Parallel	1
	PS/2	1 * PS/2
	GPIO	N/A
	IEEE 1394	N/A
	PCIeX16	N/A
	PCIeX4	N/A
Expansion Slot	PCIeX1	N/A
	PCI	1 * 32-bit/33MHz PCI Slot
	Mini-PCIe	1 * Mini-PCIe, support 3G wireless
	PCI	1 * 32-bit/33MHz PCI Slot
Storage	SATA	2 * SATA, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	ATX Standard Power Supply
	Consumption	Typical Consumption:18W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

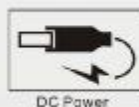
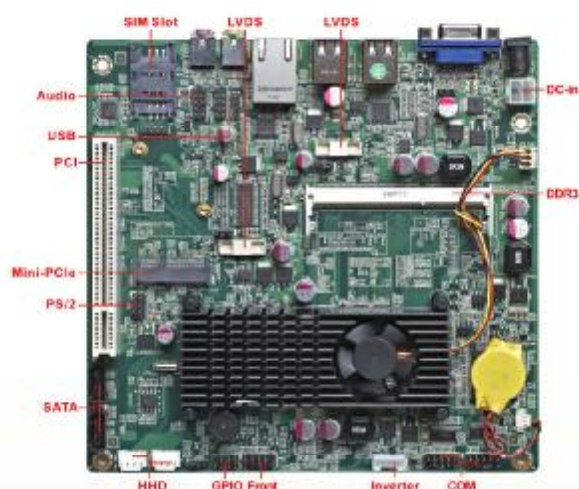
GMX-IL1901

Intel D525 1.8GHz CPU, VGA/LVDS, 4*COM, 2*LAN, 7*USB, ATX Power in MINI-ITX Board





GMX-IL1902 Intel® Atom D525 Mini-ITX, High-speed CPU with Low Power and support 3G wireless



Features

- Intel® Atom™ Pineview D525 CPU, to maximize performance
- Support dual channel 18-bit and 24-bit output
- Gigabit LAN
- DC 12V
- 4 * COM
- 3G LAN
- Support Mini-PCIe, 3G LAN, 2 * SATA

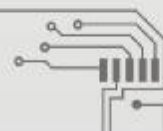
Specification

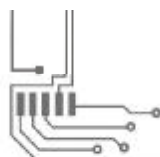
Processor System	CPU	Intel® Atom™ Processor D525-1.8G (Duo Core)
	CPU Socket	Onboard
	FSB	800MHz
	Chipset	CG82NM10
System Memory	BIOS	System BIOS: SPI BIOS
	Technology	Single-channel DDR3 800MHz
	Max. Capacity	Up to 4GB
	Socket	1 * 204 Pin DDR3 SO-DIMM slot
Display	Graphic	Intel® 3150 Graphics Media Accelerator
	LVDS	single channel 18bit/dual channel 24bit output Resolution: up to 1920 * 1080
	DVI	N/A
	HDMI	N/A
	VGA	1 * VGA port Resolution: up to 1400 * 1050
	Dual Display	LVDS + VGA
	Controller	LAN1: Realtek RTL8111E Gbe LAN LAN2: N/A
Ethernet	Controller	Realtek ALC662 HD Codec The max. amplifier PW: 6W
Audio	Controller	ITE IT8781F
Super I/O	Controller	N/A
H/W Monitor	Watchdog Timer	3 pin DC fan control
TPW	Controller	N/A
I/O Interface	USB	7 * USB 2.0/1.1 Compatible
	Serial Port	4 * (3 * RS-232, 1 * RS-232/422/485)
	Parallel Port	N/A
	PS/2	1 * PS/2
	GPIO	N/A
Expansion Slot	IEEE 1394	N/A
	PCIX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
	Mini-PCIe	one support for 3G wireless Internet access
Storage	SATA	2 * SATA II, Max. transfer rate of 3Gb / s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption: 18W
Environment	Working Temp.	0°C ~ 60°C
	Storage Temp.	-20°C ~ 80°C
	working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm (6.69" * 6.69")
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

GMX-IL1902

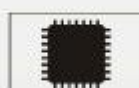
Intel D525 1.6GHz CPU, VGA/LVDS, 4*COM, 1*LAN, 7*USB, MINI PCIe, DC Power in MINI-ITX Board





GMX-IL1903

Intel® Atom™ D525 Mini-ITX for low power and high performance



Intel® Atom™
D425+G82NM10



SODIMM
DDR3 800



VGA+LVDS



ATX Power



Gigabit LAN

Features

- Intel® Atom™ Pineview D425 Dual Core CPU, to maximize performance
- Support Dual Display: LVDS Slot(Single channel 18 bit LVDS) and VGA
- Support 2 * SATA
- 2 * COM, 7 * USB
- Support ATX Power

Specification

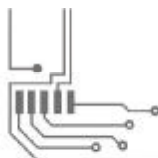
Processor System	CPU	Intel® Atom™ D425-1.6G(Single Core)
	CPU Socket	Onboard
	Front Side Bus	800MHz
	chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Single channel DDR3 800Mhz
	Max.Capacity	Up to 4GB
	Socket	1 * 204Pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3150
	LVDS	Support single channel 18-bit and 24-bit output Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	N/A
	VGA	DB15 VGA Port Resolution: Up to 1400 * 1050
	Dual Display	LVDS+VGA
	Ethernet	Controller LAN1: Realtek RTL8111E Gbe LAN LAN2: N/A
	Audio	Controller Realtek ALC662 HD Codec(Bar Line Out + MIC + Speaker)
Super I/O	Controller	ITE IT8781F
H/W Monito	Watchdog Timer	N/A
	Smart Fan	3 pin DC Fan control
TPW	Controller	N/A
I/O Interface	USB	7 * USB2.0/1.1 Compatible
	Serial	2 * RS-232
	Parallel	1
	PS/2	1 * PS/2
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	1 * 32-bit/33MHz PCI Slot
	Mini-PCIe	N/A
Storage	SATA	2 * SATA II, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	ATX Standard Power Supply
	Consumption	Typical Consumption:18W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

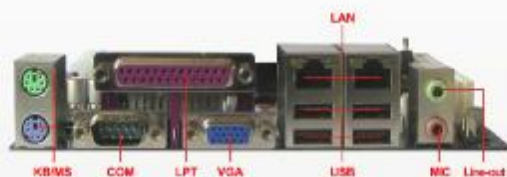
GMX-IL1903

Intel D425 1.6GHz CPU, VGA/LVDS, 2*COM, 1*LAN, 7*USB, ATX Power in MINI-ITX Board





GMX-1L1904 Intel® Atom™ D525 Mini-ITX for low power and high performance



Features

- Intel®Atom™ Processor D525 (Dual Core)
- 4 * COM
- Dual Display:VGA + DVI-I
- Dual Gigabit LAN
- Support 3G LAN

Specification

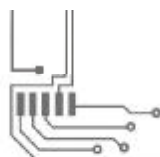
Processor	CPU	Intel®Atom™ D425-1.6G(Single Core)
System	CPU Socket	Onboard
	Front Side Bus	800MHz
	chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Single channel DDR3 800MHz
	Max.Capacity	Up to 4GB
	Socket	1 * 204Pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3150
	LVDS	N/A
		N/A
	DVI	1 * DVI-I
		N/A
	HDMI	N/A
	VGA	1 * DB15 VGA Port
		Resolution: Up to 1400 * 1050
	Dual Display	VGA + DVI
Ethernet	Controller	LAN1: Realtek RTL8111E Gbe LAN
		LAN2: Realtek RTL8111E Gbe LAN
Audio	Controller	Realtek ALC662 HD Codec(Rear Line Out + MIC +Speaker)
		Max.PW: 6W
Super I/O	Controller	ITE IT8781F
H/W Monito	Watchdog Timer	N/A
	Smart Fan	3 pin DC Fan control
TPW	Controller	N/A
I/O Interface	USB	7 * USB2.0/1.1 Compatible
	Serial	4 * (1 * RS-232, 3 * RS-232/RS-422/RS-485)
	Parallet	1
	PS/2	1 * PS/2
	GPIO	N/A
	IEEE 1394	N/A
	PCIeX16	N/A
	PCIeX4	N/A
Expansion Slot	PCIeX1	N/A
	PCI	1 * 32-bit/33MHz PCI Slot
	Mini-PCIe	1 * Mini-PCIe, support for 3G wireless Internet access
Storage	SATA	2 * SATA II, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption:16W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

GMX-1L1904

Intel D525 1.8GHz CPU, VGA/DVI, 4*COM, 2*LAN, 7*USB, MINI PCIe, DC Power in MINI-ITX Board



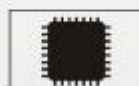


GMX-IL1911

Intel® Atom Cedar Trail A Reliable, Low Power and Cost Effective Embedded Solution



COMING SOON



Intel Cedar Trail D2500/D2700 + GB2NM10



SODIMM DDR3



Dual Gigabit LAN



LVDS+HDMI



CRT+LVDS

Features

- Intel® Cedar Trail Processor D2500/D2700
- Support CRT, LVDS, HDMI
- 6 * COM, 7 * USB
- Dual Gigabit LAN
- 1 * Mini-PCIe 1x slot support 3G LAN

Specification

Processor System	CPU	Intel® Cedar Trail Processor D2500/D2700
	CPU Socket	Onboard
	Front Side Bus	800/1066Mhz
	chipset	CG82NM10
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	SO-DIMM DDR3 Up to 4GB
	Max.Capacity	Up to 4GB
	Socket	1 * 204Pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3600/3650
	LVDS	Support single channel 18-bit and 24-bit output Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	N/A
	HDMI	Support 19 pin 1.3, Type A, HDMI Resolution up to 1920 * 1200
	VGA	DB15 VGA Port Resolution: Up to 1400 * 1050
	Dual Display	LVDS+VGA
Ethernet	Controller	LAN1: Realtek RTL8111E Gbe LAN LAN2: N/A
	Controller	Realtek ALC662 HD Codec (Four Line Out + MIC + Speaker)
Audio	Controller	SMSC 3114/3116
Super I/O	Controller	SMSC 3114/3116
H/W Monito	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	N/A
TPW	Controller	N/A
I/O Interface	USB	7 * USB2.0/1.1 Compatible
	Serial	6 * (5x RS-232 + 1 x RS-232/RS422/RS485)
	Parallel	1
	PS/2	1 * PS/2
	GPIO	Universal 4-channels input 4-channels output
	IEEE 1394	N/A
	Expansion Slot	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	N/A
Storage	Mini-PCIe	1 * Mini-PCIe 1x slot Support 3G LAN
	SATA	2 * SATA II, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	SSD	N/A
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption: 16W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

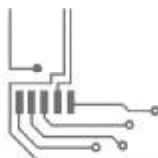
GMX-IL1911-D2500

Intel D2500 1.86GHz CPU, VGA/HDMI/LVDS, 6*COM, 2*LAN, 7*USB, MINI PCI-e, MINI-ITX Board

GMX-IL1911-D2700

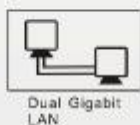
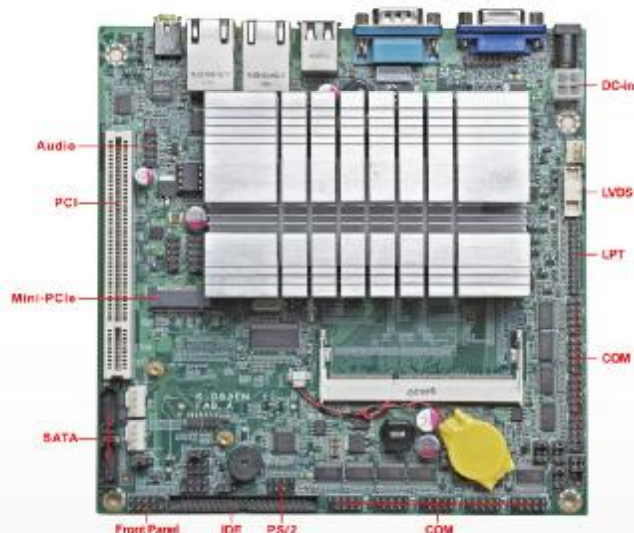
Intel D2700 2.13GHz CPU, VGA/HDMI/LVDS, 6*COM, 2*LAN, 7*USB, MINI PCI-e, MINI-ITX Board





GMX-IL9810

Intel® Atom Pineview Fanless Solution for Low Power and high Performance



Features

- Intel® Atom™ Pineview D525+ICH8M
- DC Power 12V Input
- Support DDR3 SODIMM
- Support 10 * COM (RS-232/422/485, Pin9 support 5V/12V, TTL)
- 1 * Mini-PCIe, 1 * IDE, 1 * CF, 2 * SATA
- Dual Gigabit LAN

Specification

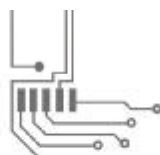
Processor	CPU	Intel® Atom™ D525-1.8GHz (Dual Core)
System	CPU Socket	Onboard
	Front Side Bus	800Mhz
	chipset	Intel® ICH8M
System Memory	BIOS	System BIOS: SPI BIOS
	Technology	Single channel DDR3 800Mhz
	Max.Capacity	Up to 4GB
Display	Socket	1 * 204Pin DDR3 SO-DIMM Slot
	Graphic	Intel® Graphics Media Accelerator 3150
	LVDS	Support single channel 18-bit output Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	N/A
Ethernet	Controller	N/A
		N/A
		N/A
		N/A
Audio	Controller	DB15 VGA Port Resolution: Up to 1400 * 1050
		Dual Display LVDS+VGA
Ethernet	Controller	LAN1: Realtek RTL8111E Gibe LAN LAN2: N/A
Audio	Controller	Realtek ALC662 HD Codec(Rear Line Out + MIC +Speaker) Max.PW: 2W
Super I/O	Controller	ITE IT8781F
H/W Monito	Watchdog Timer	Programmable 1 ~ 255 sec;Support System Reset
	Smart Fan	3 pin DC Fan Control
TPW	Controller	N/A
I/O Interface	USB	4 * USB2.0/1.1 Compatible
	Serial	10 * (9 x RS-232, 1 x RS-232/RS-422/RS-485)
	Parallel	1
	PS/2	1 * PS/2
	GPIO	2-bit Input and 2-bit Output
	IEEE 1394	N/A
	Expansion Slot	N/A
		N/A
		N/A
		N/A
Storage	PCI	1 * 32-bit/33MHz PCI Slot
	Mini-PCIe	1 * Mini-PCIe, support 3G wireless
	SATA	2 * SATA II, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
Power Source	Power Supply	DC-in 12V @ 3A
	Consumption	Typical Consumption:18W
Environment	Working temp.	-10°C ~ 50°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

GMX-IL9810

Intel D525 1.8GHz, VGA/LVDS, 2*LAN, 10COM, DC in Mico-ATX Board



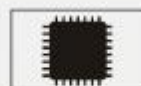


GMX-IL1913

Intel® Atom Cedar Trail A Reliable, Low Power and Cost Effective Embedded Solution



COMING SOON



Intel Cedar Trail D2500/2700 + G82NM10



SODIMM DDR3



Dual Gigabit LAN



7.1 Channel Audio



VGA1+VGA2+VGA3+LVDS

Features

- Intel® Cedar Trail Processor D2700
- Support 3VGA, LVDS Display
- 6 * COM, 6 * USB
- Dual Gigabit LAN
- 1 * MINI-PCIe 1x Slot Support 3G LAN

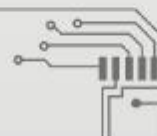
Specification

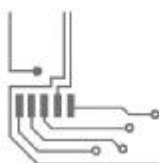
Processor System	CPU	Intel® Cedar Trail Processor D2700
	CPU Socket	Onboard
	Front Side Bus	800/1066Mhz
	chipset	G82NM10
	BIOS	System BIOS; SPI BIOS
System Memory	Technology	SO-DIMM DDR3 Up to 4GB
	Max.Capacity	Up to 4GB
	Socket	1 * 204Pin DDR3 SO-DIMM Slot
Display	Graphic	Intel® Graphics Media Accelerator 3600/3650
	LVDS	Support single channel 18-bit and 24-bit output Resolution: Up to 1366 * 768
	DVI	N/A
	HDMI	N/A
	VGA	3 * DB15 VGA Port Resolution: Up to 1920 * 1200
	Dual Display	VGA1 + VGA2 + VGA3 + LVDS
Ethernet	Controller	LAN1: Realtek RTL8111E Gbe LAN LAN2: Realtek RTL8111E Gbe LAN
Audio	Controller	Realtek ALC662 HD Codec/8sur Line Out + MIC + Speaker
Super I/O	Controller	SMSC 3114/3116
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec; Support System Reset
	Smart Fan	3 pin DC Fan Control
TPW	Controller	N/A
I/O Interface	USB	6 * USB2.0/1.1 Compatible
	Serial	6 * (5 * RS-232 + 1 * RS-232/RS422/RS485)
	Parallel	1
	PS/2	1 * PS/2
	GPIO	Universal 4-channels input 4-channels output
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI104	N/A
	PCI	32 bit PCI Slot
Storage	Mini-PCIe	1 * Mini-PCIe 1x slot Support 3G LAN
	SATA	2 * SATA II, Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	SSD	N/A
Power Source	Compact Flash	N/A
	Power Supply	DC-in 12V @ 3A
Environment	Consumption	Typical Consumption:30W
	Working temp.	-20°C ~ 60°C
	Storage temp.	-40°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Storage Humidity	0% ~ 90% relative humidity, non-condensing
	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

GMX-IL1913

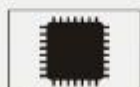
Intel D2700 2.13GHz CPU, 3*VGA/LVDS, 6*COM, 2*LAN, 6*USB, MINI-PCIe, MINI-ITX Board





GMX-IL9830C

Intel® Atom™ solution for low power and high performance with DC power



Intel Atom
945GSE+ICH7M



SODIMM
DDR2 400/533



Dual
Gigabit
LAN



HDMI



DVI-LVDS

Features

- Ultra low power and fanless system
- Slim and thin client without noise
- Intel® Atom™ mobile processor
- 2 * SATA Ports
- Hardware Video Decoder for MPEG2
- Hyper Threading™ Support

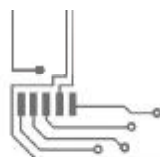
Specification

Processor	CPU	Intel® Atom™ Processor N270-1.6GHz
System	CPU Socket	Onboard
	Front Side Bus	533Mhz
	chipset	Intel® 945GSE+ICH7M
System Memory	BIOS	System BIOS: SPI BIOS
	Technology	SO-DIMM DDR3 Up to 4GB
	Max.Capacity	Up to 4GB
Display	Socket	1 * 204Pin DDR3 SO-DIMM Slot
	Graphic	Intel® Graphics Media Accelerator 3600/3650
	LVDS	Support single channel 18-bit and 24-bit output Resolution: Up to 1366 * 768
Ethernet	DVI	N/A
	HDMI	N/A
	VGA	N/A
	VGA	3 * DB15 VGA Port Resolution: Up to 1400 * 1050
	Dual Display	LVDS + VGA
Ethernet	Controller	LAN1: Intel® 82574L GbE LAN LAN2: N/A
	Controller	Realtek ALC888 HD Audio Codec (Mic-in, Line-in, Line-out)
Audio	Controller	Fintek F71882FG
Super I/O	Controller	Watchdog Timer Programmable 1 ~ 255 sec; Support System Reset
H/W Monito	Smart Fan	3 pin DC Fan Control
TPW	Controller	N/A
I/O Interface	USB	6 * USB2.0/1.1 Compatible
	Serial	5 * (4 * RS-232 + 1 * RS-232/RS422/RS485)
	Paralle	1
	PS/2	N/A
	GPIO	N/A
	IEEE 1394	N/A
	Expansion Slot	PCIeX16 N/A PCIeX4 N/A PCIeX1 N/A PCI 1 * 32-bit/33MHz PCI slot Mini-PCIe 1 * Mini-PCIe 1x slot
Storage	SATA	2 * SATA II , Max.transfer rate 3Gb/s (RAID 0, 1, 5)
	IDE	1 * IDE
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in 12V @ 65W
	Consumption	12V @ 1.44A
Environment	Working temp.	-20°C ~ 50°C
	Storage temp.	-40°C ~ 80°C
	Working Humidity	5% ~ 90% relative humidity, non-condensing
	Storage Humidity	5% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm
	Weight	0.37kg
Regulatory Compliance		FCC, CE, RoHS compliant

Order Information

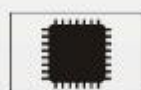
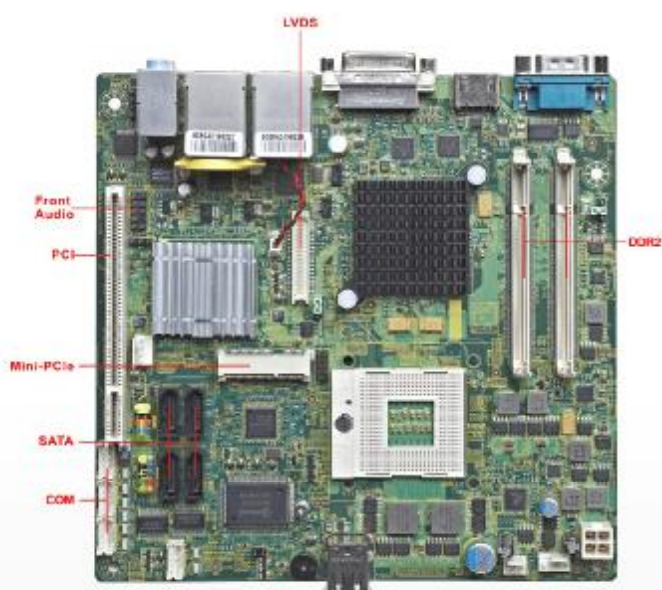
GMX-IL9830C

Intel ATOM N270 1.6GHz CPU, VGA/LVDS, 1GBE LAN, 5COM, DC Power in MINI-ITX Board



GMX-IL9834

Intel®Core™2 Duo Mobile Processor Trusted Computing with High Performance



Intel Gm45
+ ICH9M-E



SODIMM
DDR2 800



HDMI



Gigabit LAN



DVI+LVDS

Features

- Support Intel® Core™2 Duo Mobile Processor
- Dual Gigabit LAN
- Support TPM & iAMT 4.0(Optional)
- Multiple Video Output: HDMI, DVI-I, LVDS
- 5 * COM, 8 * USB

Specification

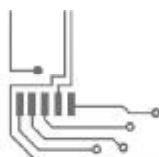
Processor System	CPU	Intel®Core™ 2 Extreme, Core™ 2 Quad, Core™ 2 Duo, Celeron™ M
	CPU Socket	Socket P (PPGA 478)
	Front Side Bus	667/800/1066MHz
	chipset	Intel® GM45 + ICH9M-E
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Dual channel DDR2 667/800/1066MHz
	Max.Capacity	Up to 4GB
	Socket	2 * 200 Pin DDR2 SO-DIMM
Display	Graphic	Intel®Graphics Media Accelerator 4500MHD
	LVDS	Support single channel 18,24-bit output Support Dual channel 36, 48-bit output Resolution: up to 2048 * 1536 (QXGA)
	DVI	Converting from Chronitel CH7318C to DVI-I Resolution: up to 1920 * 1080 (1080P)
	HDMI	Support HDMI 1.3, Type A, 19-Pin Resolution: up to 1920 * 1200 (1080P Supported)
	VGA	N/A
	Dual Display	CRT+LVDS, CRT+DVI, CRT+HDMI, LVDS+DVI, LVDS+HDMI
	Ethernet	Controller LAN1: Intel® 82567LM GbE LAN LAN2: Intel® 82574L GbE LAN
	Audio	Controller Realtek ALC888 HD Audio Codec(Lin-In, Line-Out, MIC-In) N/A
Super I/O	Controller	Winbond W83627 DHG
H/W Monitor	Watchdog Timer	Programmable 1 ~ 255 sec.,Support System Reset
	Smart Fan	3 Pin DC Fan Control
TPW	Controller	TPM 1.2
I/O Interface	USB	8 * USB 2.0/1.1(4 x Rear,4 x Internal)
	Serial	5 * (4 * RS232 Internal + 1 * RS232/RS422/RS485 / Rear, supply 0V/5V/12V)
	Parallel	N/A
	PS/2	N/A
	GPIO	N/A
	IEEE 1394	N/A
	Expansion Slot	PCIeX16 N/A PCIeX4 N/A PCIeX1 N/A PCI 1 * 32-bit/33MHz, 1 slot Mini-PCIe 1 * Mini-PCIe, 1 slot
Storage	SATA	4 * SATA II , Max.transfer rate 3Gb/s
	IDE	N/A
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	DC-in 19V @ 3A
	Consumption	Max. Consumption: 60W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 70°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170mm * 170mm
	Weight	0.3kg
Regulatory Compliance		FCC, CE, VCCI, RoHS Compliant

Order Information

GMX-IL9834

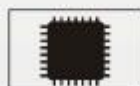
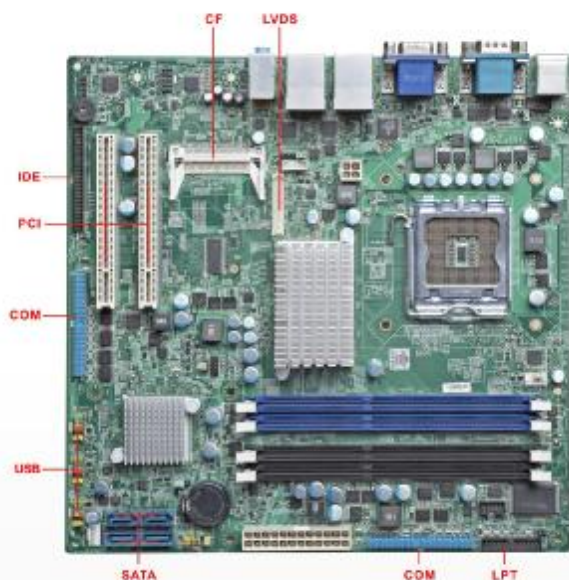
Intel GM45 Core™ P478 CPU, DVI/HDMI/LVDS, 2*LAN, 5COM, DC Power in MINI-ITX Board





GMX-IL9876

Intel® Q45 + ICH10DO Micro ATX for ATM Solution



Intel Q45+
ICH10DO



SODIMM
DDR3 1066



CF



Mini PCIe

Features

- Support Intel® Core™ 2 Quad Desktop Processor Series
- Support Intel® Core™ 2 Duo Desktop Processor Series
- Support DDR3 up to 8GB
- 10 * COM
- Support multiple video output: CRT + CRT or CRT + LVDS
- Dual Gigabit LAN

Specification

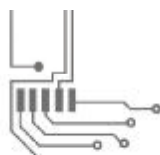
Processor	CPU	Intel® Core™ 2 Quad, Core™ 2 Duo
System	CPU Socket	LGA775 Socket
	Front Side Bus	1333MHz
	chipset	Intel® Q45 + ICH10DO
	BIOS	System BIOS: SPI BIOS
System Memory	Technology	Dual Channel DDR3 800/1066/1333MHz
	Max.Capacity	Up to 8G Memory
	Socket	4 * 240-Pin DIMM
Display	Graphic	Intel® Graphics Media Accelerator 4500MHD
	LVDS	Support single channel 24-bit / Dual channel 48-bit Output Resolution up to 1600 * 1200
	HDMI	N/A
	VGA	N/A
	VGA	1 * D815 VGA Port Resolution up to 1920 * 1200
	Dual Display	CRT + LVDS, CRT + CRT
Ethernet	Controller	LAN1: Intel® 82567LM GbE LAN LAN2: Intel® 82574L GbE LAN
	Audio	Controller: Realtek® ALC888S-VC2-GR HD Audio Codec (Line-In, Line-Out, MIC-In)
Super I/O	Controller	Fintek F81865F + Fintek F81216AD
H/W Monito	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	3 Pin DC Fan Control
TPW	Controller	N/A
I/O Interface	USB	10 * USB 2.0/1.1 (4 x Rear, 6 x Internal)
	Serial	10 * (9 x RS-232 + 1 x RS-232/RS-422/RS-485)
	Parallel	1 * (SPP/EPP/ECP)
	PS/2	1
	GPIO	4-bit Input and 4-bit Output
	IEEE 1394	N/A
	Expansion Slot	PCIeX16 N/A PCIeX4 N/A PCIeX1 N/A PCI 2 * 32-bit/33MHz, slots Mini-PCIe 1 * Mini-PCIe, 1 slot
Storage	SATA	4 * SATA II, Max.transfer rate 3Gb/s
	IDE	1 * IDE (44Pin)
	eSATA	N/A
	Compact Flash	1
Power Source	Power Supply	ATX 24 Pin
	Consumption	Max.Consumption: 70W
Environment	Working temp.	-10°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity · non-condensing
	Storage Humidity	0% ~ 90% relative humidity · non-condensing
Form Factor	Dimensions	243.8mm * 243.8mm
	Weight	0.595kg
Regulatory Compliance		FCC, CE, VCCI, BSMI, C-Tick, RoHS compliant

Order Information

GMX-IL9876

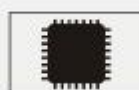
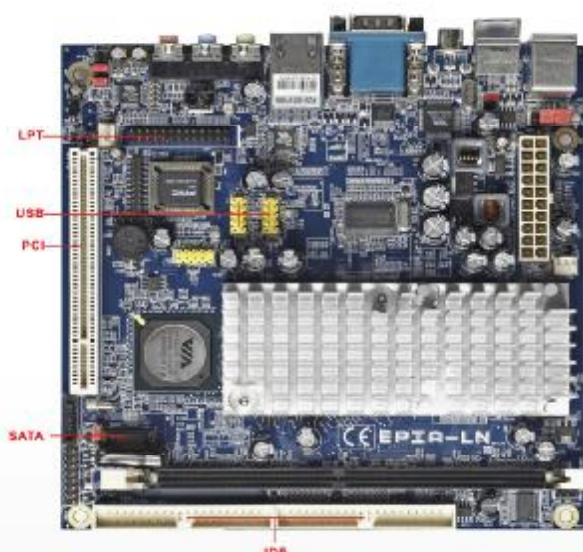
Intel Q45 LGA775 Socket, 2VGA/LVDS, 2*LAN, 10*COM, 10*USB, CF, ATX Power in Micro-ITX Board





EPIA-LN10000

Mini-ITX C7® Entry-level Board with MPEG-2 & Optional TV-out



VIA CN700 +
VT8237R Plus



DIMM
DDR2 533



TV



VT1618 AC'97
Codec

Features

- Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration
- Support DDR2 400/533 SDRAM
- Support TV-out (SDTV resolution)
- Support two SATA
- Support eight USB 2.0 (six as pin headers)
- Fast LAN

Specification

Processor System	CPU	VIA C7 - 1.0GHz
	CPU Socket	Onboard
	Front Side Bus	400 MHz
	chipset	VIA CN700 + VT8237R
	BIOS	System BIOS: Award BIOS
System Memory	Technology	Single channel DDR2 400/533MHz
	Max.Capacity	Up to 2GB
Display	Socket	1 * 240-pin DIMM Slot
	Graphic	Integrated VIA UniChrome™ Pro AGP Graphics with MPEG-2 Acceleration
	LVDS	Optional
	DVI	Optional
	HDMI	N/A
	VGA	1 * D815 VGA Port
	TV	1 * S-Vedio Input Port, 1 * TV Output Port
	Dual Display	TV + VGA
Ethernet	Controller	VIA VT6103 10/100 PHY
		1 * RJ-45 Lan Port
Audio	Controller	VIA VT1618 8 channel AC' 97 Codec
		Mic in, Line in, Line-out, horizontal, Smart 5.1 support
Super I/O	Controller	Winbond W83627
H/W Monito	Watchdog Timer	Programmable 1 ~ 255 sec.; Support System Reset
	Smart Fan	3 Pin DC Fan control
TPW	Controller	N/A
I/O Interface	USB	8 * USB 2.0/1.1(2 x Rear, 6 x Internal)
	Serial	1 * RS-232
	Parallet	1 * LPT Connector
	PS/2	1 * PS/2
	GPIO	N/A
	IEEE 1394	N/A
Expansion Slot	PCIeX16	N/A
	PCIeX4	N/A
	PCIeX1	N/A
	PCI	1 * 32-bit/33MHz, 1 slot
	Mini-PCIe	N/A
Storage	SATA	2 * SATA II, Max.transfer rate 3Gb/s
	IDE	2 * Ultra DMA 133/100/66 connectors
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	ATX Power Connector 20 pin
	Consumption	Typical Consumption:20W
Environment	Working temp.	0°C ~ 50°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm (6.69" * 6.69")
	Weight	0.196kg
Regulatory Compliance		CE, FCC compliant

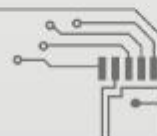
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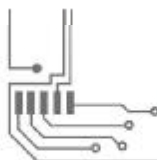
LN10000EG

C7-1.0GHz, VGA/TV/LVDS, LAN, ATX Power MINI-ITX Board

LN10000EAG

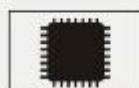
C7-1.0GHz, VGA/LVDS, LAN, ATX Power MINI-ITX Board





VB-7001

A reliable, low-power and cost effective platform



VIA CN700 +
VT8237R Plus



DIMM
DDR2 400/533



TV



5.1 Channel AC'97
Codec

Features

- Integrated VIA UniChrome™ Pro AGP graphics with MPEG-2 decoding acceleration
- Support DDR2 400/533 SDRAM
- Support S-video, TV Display
- Support SATA
- Support eight USB 2.0 (six as pin headers)
- Fast LAN

Specification

Processor	CPU	VIA C7®-D Processor 1.5GHz
System	CPU Socket	Onboard
	Front Side Bus	400 MHz
	chipset	VIA CN700 + VT8237R
	BIOS	System BIOS: Award BIOS
System Memory	Technology	Single channel DDR2 400/533MHz
	Max.Capacity	Up to 2GB
Display	Socket	1 * 240-pin DIMM Slot
	Graphic	Integrated VIA UniChrome™ Pro AGP Graphics with MPEG-2 Acceleration
	LVDS	N/A
	S-Video	1 * S-Video port N/A
	TV	VT1622AM SDTV Encoder 1 * RCA jack for composite TV output
	Display port	N/A
	Dual Display	VGA+TV
	Ethernet	Controller
	Controller	VIA VT6103L 10/100 Base-T Ethernet PHY 1 * RJ-45 Lan Port
	Audio	Controller
	Controller	VIA VT1618 AC' 97 Codec (Line-out, Line-in and Mic-in)
Super I/O	Controller	Winbond w83627
	H/W Monito	Watchdog Timer Programmable 1 ~ 255 sec.; Support System Reset
TPW	Smart Fan	3 Pin DC Fan control
	Controller	N/A
I/O Interface	USB	4 * USB 2.0 /1.1 (2 x Rear, 2 x Internal)
	Serial	1 * RS-232
	Parallet	N/A
	PS/2	1 * PS/2
	GPIO	N/A
	IEEE 1394	N/A
	Expansion	PCIeX16 N/A
Slot	PCIeX4	N/A
	PCIeX1	N/A
	PCI	1 * 32-bit/33MHz, 1 slot
	Mini-PCIe	N/A
Storage	SATA	2 * SATA II, Max.transfer rate 3Gb/s
	IDE	2 * Ultra DMA 133/100/66 connectors
	eSATA	N/A
	Compact Flash	N/A
Power Source	Power Supply	ATX Power Connector 20 pin
	Consumption	Typical Consumption:20W
Environment	Working temp.	0°C ~ 60°C
	Storage temp.	-20°C ~ 80°C
	Working Humidity	0% ~ 90% relative humidity, non-condensing
	Storage Humidity	0% ~ 90% relative humidity, non-condensing
Form Factor	Dimensions	170 mm * 170 mm (6.69" * 6.69")
	Weight	0.37kg
Regulatory Compliance		CE, FCC compliant

Order Information

VB7001G

C7®-1.5GHz, VGA/TV, LAN, ATX PowerMINI- ITX Board

VB7001AG

C7®-1.5GHz, VGA, LAN, ATX Power MINI-ITX Board



CMS

