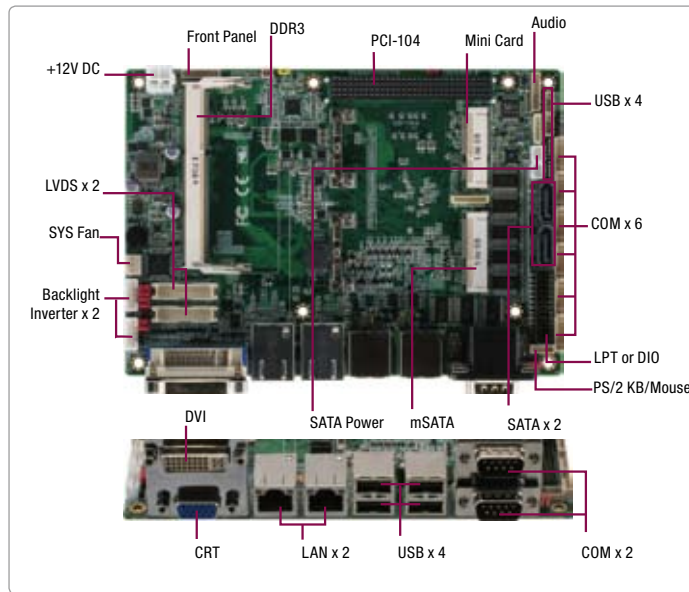


EPIC-CV07

EPIC Board With Onboard Intel® Atom™ D2550/N2600 Processor

02

EPIC Boards



Features

- Onboard Intel® Atom™ D2550/N2600 Processor
- Intel® Atom™ D2550/N2600 + NM10
- 204-pin SODIMM DDR3 800(N2600)/1066(D2550)MHz up to 2GB(N2600)/4GB(D2550)
- Realtek 8111E for 10/1000/1000Base-TX, RJ-45 x 2
- 18/24-bit Single/Dual Channel LVDS, CRT, DVI-I (Optional)
- 2CH HD Audio
- SATA 3.0Gb/s x 1, mSATA (Half-Size) Slot x 1
- USB 2.0 x 7, COM x 8, 16-bit Digital I/O
- Expansion: Mini Card x 1
- +12V, AT/ATX
- CPU and PCH On Solder Side For Easy System Integration
- Supports AAEON SDK Utility: Hi-Safe

Specifications

System	
Form Factor	EPIC
Processor	Intel® Atom™ D2550/N2600 up to 1.86GHz
System Memory	204-pin SODIMM DDR3 800/1066MHz up to 4GB/2GB x 1
Chipset	Intel® Atom™ D2550/N2600 + NM10
I/O Chipset	Fintek 8186BD
Ethernet	Realtek 8111E for 10/1000/1000Base-TX, RJ-45 x 2
BIOS	UEFI
Wake On LAN	Yes
Watchdog Timer	Programmable 255 level System Reset
H/W Status Monitoring	Supports Power Supply Voltage, FAN Speed and Temperature Monitoring
Expansion Interface	Mini Card, 16-bit DIO, PCI-104
Battery	Lithium battery
Power Requirement	+12V, AT/ATX (default)
Power Consumption (Typical)	14.76W@Intel® Atom™ D2550 1.86G 1066MHz, 4GB, DC +12V
Board Size	4.5" x 6.5"(115mm x 165mm)
Gross Weight	1.2 lb (0.5 Kg)
Operating Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	51,000
Display	
Supports CRT/LCD/DVI simultaneous/Dual view displays	
Chipset	Intel® Atom™ D2550/ N2600 integrated
Resolution	Up to 1920 x 1200 for CRT, DVI (Optional) Up to 1366 x 768 for LCD
LCD Interface	Dual LVDS LCDs: 24-bit Single Channel LVDS LCD + 18/24-bit Dual-channel LVDS LCD for Intel® Atom™ D2550, 18-bit Single Channel LVDS LCD for Intel® Atom™ N2600
I/O	
Storage	SATA x 1, mSATA (Half-Size) x 1
Serial Port	RS-232 x 7, RS-232/422/485 x 1 (COM2)
Parallel Port	SPP/EPP/ECP x 1
USB	USB 2.0 x 7
PS/2 Port	Keyboard x 1, Mouse x 1
DIO	Digital I/O Support 16-bit(Programmable) Co-lay with LPT
Audio	Line-in/Line-out/Mic-in
Touch Screen	Supports 4/5-wire resistive touch screen (N2600 optional)



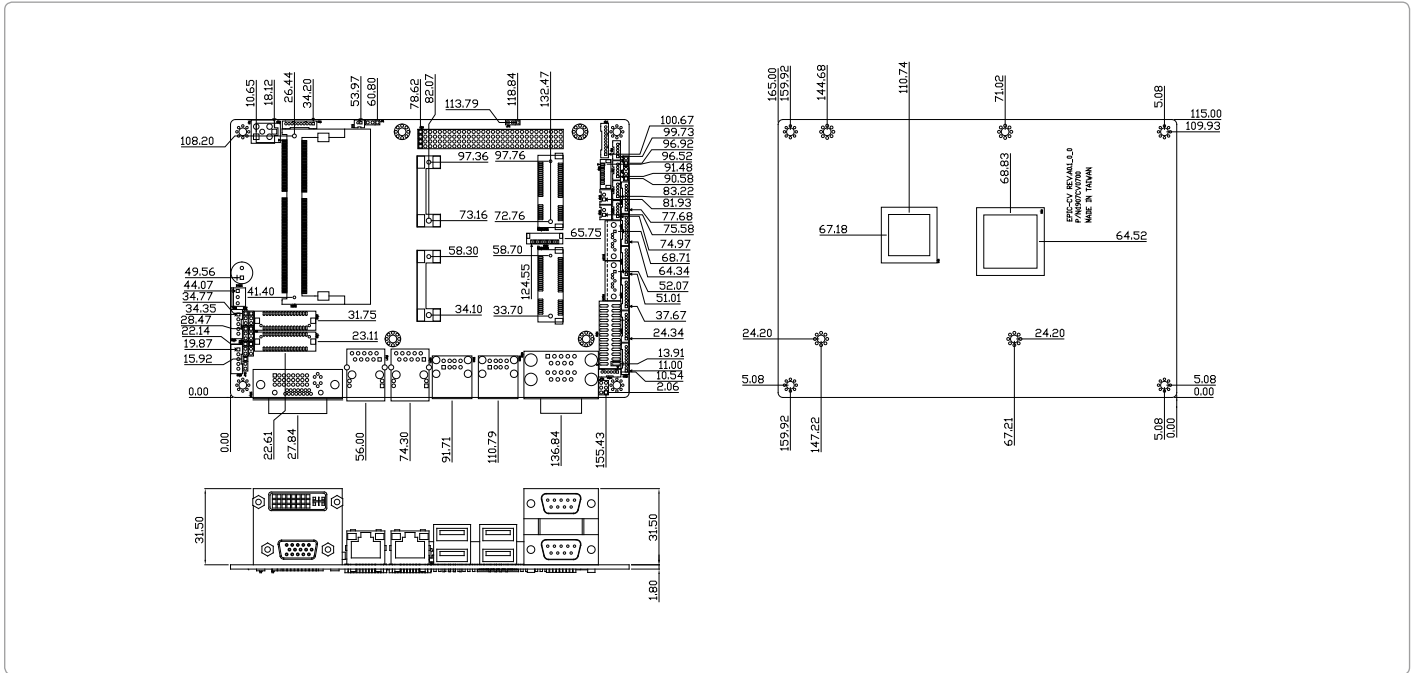
Packing List

- 9681945700
Cable Kit
- 1709070500
SATA Cable
- 1702150155
SATA Power Cable
- 9657666600
Jumper Cap
- Product DVD
- EPIC-CV07 with Heat spreader

EPIC-CV07

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp
EPIC-CV07-A10-10	D2550	Fanless	CRT + LVDS1 CRT + LVDS2	LVDS1 18-bit, 1CH LVDS2 24-bit, 2CH	SATA x 1 mSATA (Half-Size) x 1	GbE x 2	7	7	1	Mini Card x 1, mSATA x 1, PCI-104	+12V, AT/ATX	0°C ~ 60°C
EPIC-CV07-A10-11	N2600	Fanless	CRT + LVDS1	LVDS1 18-bit, 1CH	SATA x 1 mSATA (Half-Size) x 1	GbE x 2	8	5	1	Mini Card x 1, mSATA x 1	+12V, AT/ATX	0°C ~ 60°C

Optional Accessories

- M10CV07000**
 (TF) Metal, Al, Heatspreader, 176 x 100 x 21mm, Rev.0.0, for EPIC-CV07
- 1701260200**
 (TF) Flat Cable, 25P D-SUB FEMALE, 26P 2.00mm Pitch Housing, 20cm
- 1700060155**
 (TF) KB & PS/2 Mouse CABLE, 1 x 6P Pitch=1.25mm Housing, 15cm, for PFM-945C
- 1701010150**
 (TF) FLAT CABLE, 1 x 10P Pitch=1.25mm Housing, 15cm, for PFM-945C
- 1700050207**
 (TF) USB CABLE, 1 x 5P Pitch=1.25mm Housing, 20cm, for PFM-945C
- 1701090150**
 (TF) Flat Cable, D-Sub 9(M), 9P Housing, 9P 1.25mm pitch Housing, 15cm
- 1702150155**
 (TF) Power Cable, 15P SATA(F), 2P 2.0mm Housing (PH), 15cm
- 1709100254**
 (TF) Audio CABLE, 1 x 14P Pitch=1.25mm Housing, 51cm, for PFM-945C