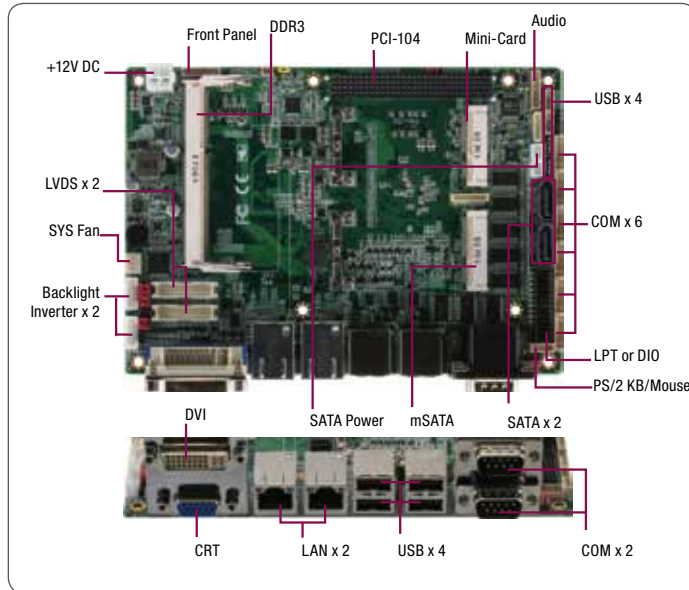


EPIC-CV07

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



Features

- Onboard Intel® Atom™ D2550/N2600 Processor
- Intel® Atom™ D2550/N2600 + NM10
- 204-pin DDR3 800 (N2600)/ 1066 (D2550) MHz SODIMM x 1, Up to 2 GB (N2600)/ 4 GB (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 3.0 Gb/s x 1, mSATA/Mini-Card Slot x 1
- USB 2.0 x 7, COM x 8, 16-bit Digital I/O
- 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 1.86 GHz
System Memory	204-pin SODIMM DDR3 800/1066 MHz, up to 4 GB(D2550)/2 GB(N2600)
Chipset	Intel® Atom™ D2550/N2600 + NM10
I/O Chipset	Fintek 81866D
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)	Intel® Atom™ D2550 1.86 GHz, DDR3 1066 MHz 4 GB 1.23A@+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); -4 °F ~ 158 °F (-20 °C ~ 70 °C) For WiTAS 1
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 3.0 Gb/s x 1, mSATA/Mini-Card 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 8 (x1 be shared for touch screen optional)
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

- **1709070500**

SATA Cable

- **1702150155**

SATA Power Cable

- **9657666600**

Jumper Cap

- **M10CV0700**

Heat Spreader

- **Product DVD**

- **EPIC-CV07**

Optional Accessories

- **1701260200**

Flat Cable, 25P D-Sub Female, 26P 2.00mm Pitch Housing, 20cm

- **1700060155**

KB & PS/2 Mouse Cable, 6P Pitch=1.25mm Housing x 1, 15cm, for PFM-945C

- **1701010150**

Flat Cable, 10P Pitch=1.25mm Housing x 1, 15cm, for PFM-945C

- **1700050207**

Flat Cable for USB, 5P Pitch=1.25mm Housing x 1, 20cm, for PFM-945C

- **1701090150**

Flat Cable for COM, D-Sub 9(M), 9P Housing, 9P 1.25mm Pitch Housing, 15cm

- **1702150155**

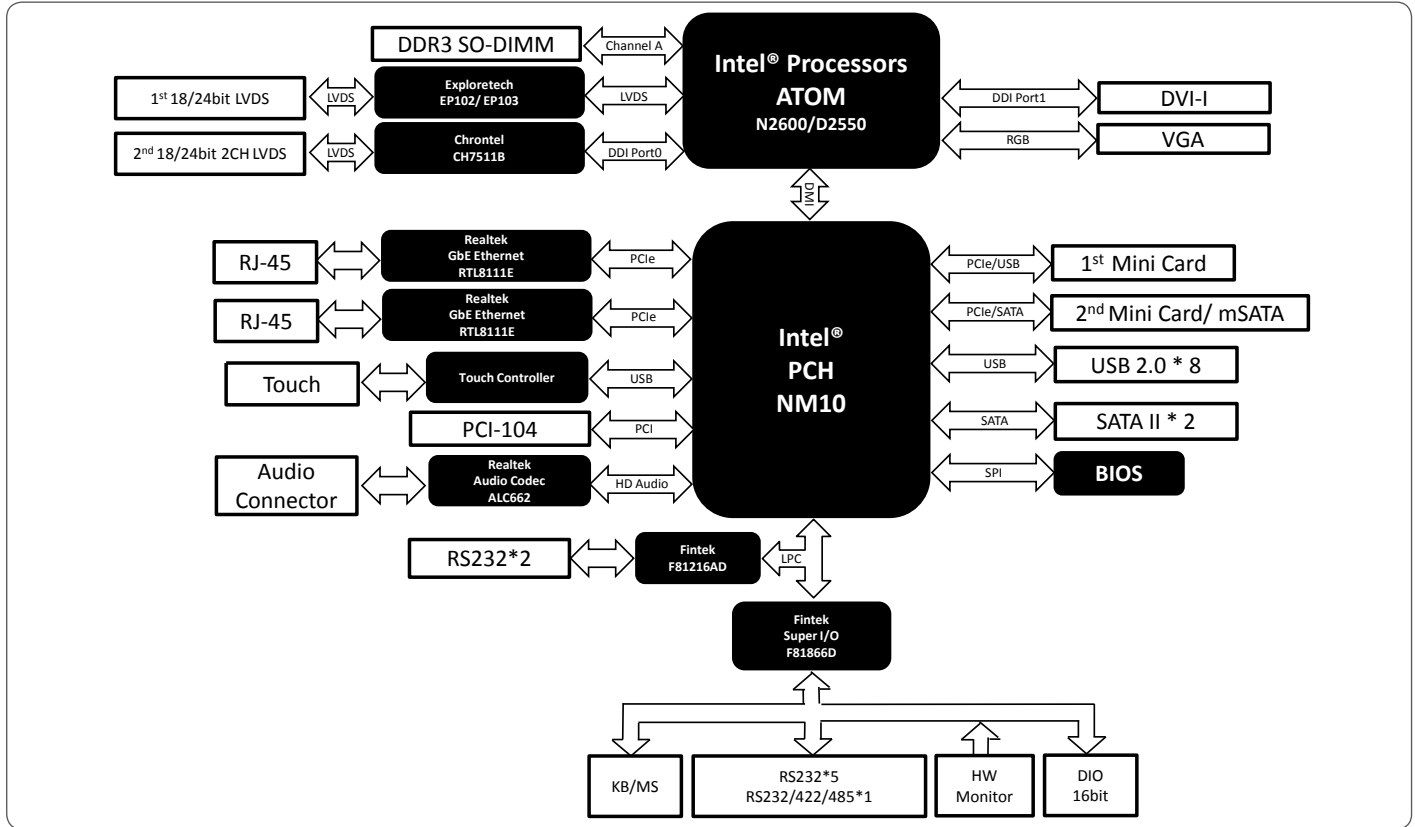
Power Cable, 15P SATA(F), 2P 2.0mm Housing (PH), 15cm

- **1709100254**

Audio Cable, 14P Pitch=1.25mm Housing x 1, 51cm, for PFM-945C

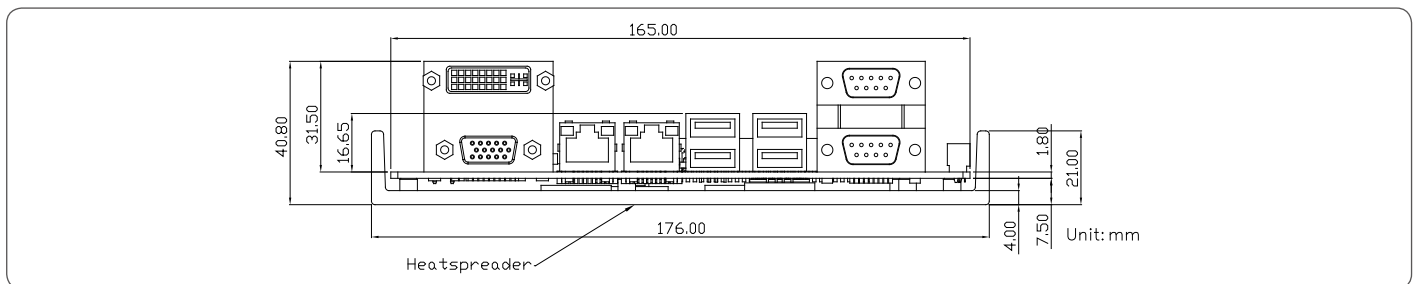
EPIC-CV07

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	Memory	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
EPIC-CV07-A10-10	Atom™ D2550	DDR3 (Max. 4 GB)	Fanless	CRT+ LVDS1, CRT+ LVDS2	LVDS1 18b 1CH, LVDS2 24b 2CH	SATA x 1, mSATA/Mini-Card x 1	GbE x 2	USB2.0 x 7	7	1	Mini-Card x 1, PCI-104 x 1	+12V (ATX)	0°C ~ 60°C	LPT or DIO 16-bit, Audio, PS/2
EPIC-CV07-A10-11	Atom™ N2600	DDR3 (Max. 2 GB)	Fanless	CRT+ LVDS1	LVDS1 18b 1CH	SATA x 1, mSATA/Mini-Card x 1	GbE x 2	USB2.0 x 8	5	1	Mini-Card x 1	+12V (ATX)	0°C ~ 60°C	LPT or DIO 16-bit, Audio, PS/2
EPIC-CV07W1-A10-11	Atom™ N2600	DDR3 (Max. 2 GB)	Fanless	CRT+ LVDS1	LVDS1 18b 1CH	SATA x 1, mSATA/Mini-Card x 1	GbE x 2	USB2.0 x 8	5	1	Mini-Card x 1	+12V (ATX)	-20°C ~ 70°C	LPT or DIO 16-bit, Audio, PS/2

Note:

Intel® Atom™ Processor D2000 series and N2000 series (CV) do NOT support DMA function that may affect ECP mode of Parallel port.

Remark: * Heatspreader Surface Temperature Under 0°C ~ 70°C