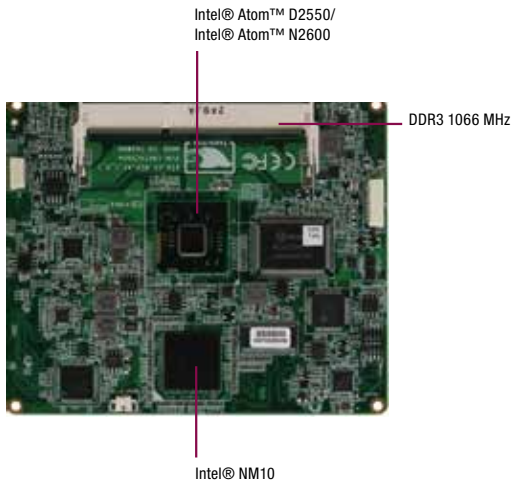


# XTX-CV Rev. A11

XTX CPU Module with Onboard Intel® Atom™ D2550/N2600 Processor



## Features

- Onboard Intel® Atom™ D2550/N2600 Processor
- Intel® NM10
- DDR3 1066MHz SODIMM x 1, Up to 4 GB
- 10/100Base-TX Ethernet
- CRT, Up to 24-bit Dual-channel LVDS LCD
- SATA 3.0Gb/s x 2, USB 2.0 x 6, PATA x 1
- PCI-Express [x1] x 4, PCI x 4



## Specifications

System	
Form Factor	XTX
Processor	Intel® Atom™ D2550/N2600 processor D2550: 1.86 GHz N2600: 1.6 GHz
System Memory	204-pin DDR3 800/1066MHz SODIMM x 1, up to 4 GB D2550 800/1066MHz: up to 4 GB N2600 800MHz: up to 2 GB
Chipset	Intel® NM10
I/O Chipset	Intel® NM10
Ethernet	Realtek RTL8105E, 10/100Base-TX
BIOS	AMI BIOS SPI type, 4MB ROM
Wake On LAN	Yes
Watchdog Timer	Winbond W83627DHG/PT, 255 levels
H/W status Monitoring	Supports CPU temperature monitoring
Expansion interface	PCI-Express [x1] x 4 32-bit PCI x 4 LPC bus x 1 SMBus x 1
Power Requirement	+5V DC
Power Consumption	Intel® Atom™ D2550 1.86 GHz, DDR3 2GB 2.85A @ +5V, 0.25A @ +12V w/ECB-910M Intel® Atom™ N2600 1.6 GHz, DDR3 2GB 2.24A @ +5V, 0.25A @ +12V w/ECB-910M
Board Size	4.5" (L) x 3.74" (W) (114mm x 95mm)
Gross Weight	0.55 lb (0.25 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)	69,000
Display	
	Supports CRT/LVDS simultaneous/ dual view displays
Chipset	Intel® Atom™ D2550/N2600 processor integrated DirectX 9, OpenGL *3.0 (Windows® 7) Integrated hardware MPEG2 decoder
Memory	Shared system memory up to 256MB/ DVMT 4.0
Resolution	Up to 1920 x 1200 for CRT Up to 1920 x 1080@24-bit for LCD (D2550) Up to 1600 x 1200@24-bit for LCD (N2600)
LCD Interface	Up to 24-bit dual-channel LVDS
I/O	
Storage	PATA x 1 (One device) (shared with SATA, selected by jumper) SATA 3.0Gb/s x 2
Serial Port	2
Parallel Port	1
USB	USB 2.0 x 6

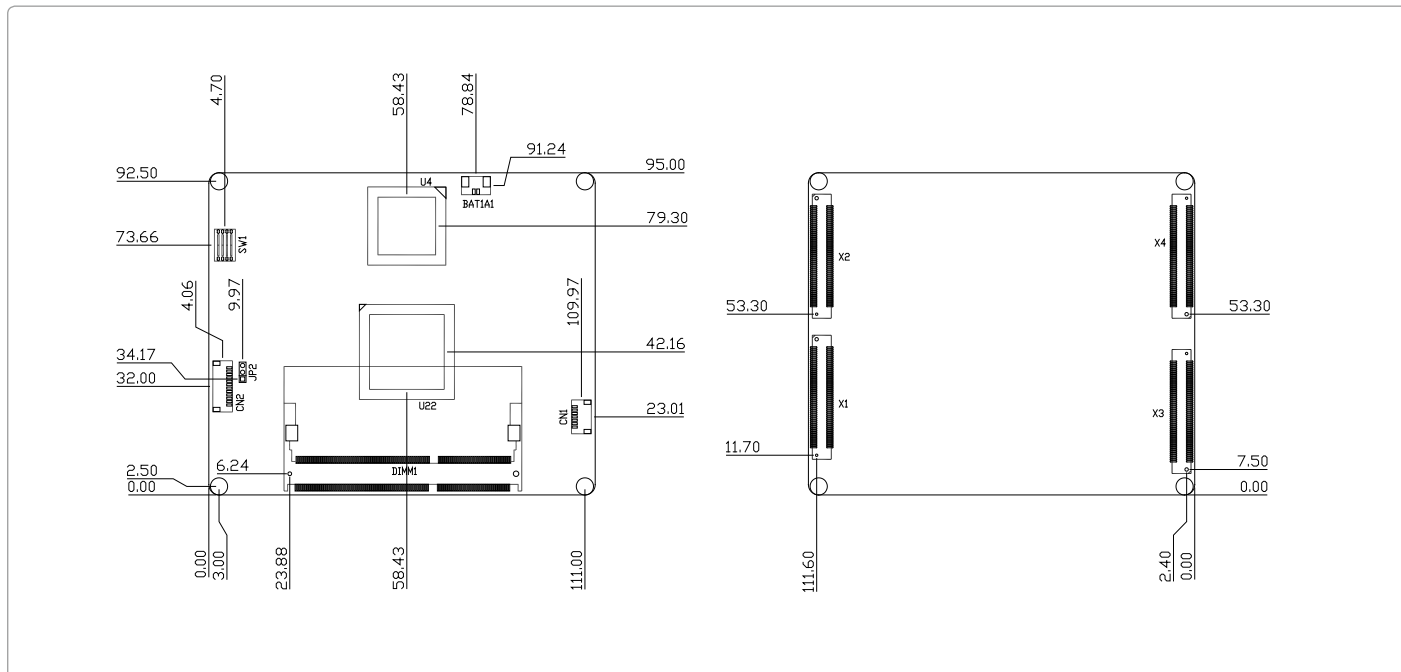
PS/2 Port	Keyboard x 1, Mouse x 1
IrDA	One IrDa Tx/Rx Header
Audio	Mic-in, Line-in, Line-Out

## Packing List

- M2.5 Screw x 4
- Product CD
- XTX-CV Rev. A1.1

# XTX-CV Rev. A11

## Dimension Unit: mm



## Ordering Information

Part Number	CPU	Memory	Display	LVDS	Storage	LAN	USB2.0	KB/MS	UART	LPT	Expansion Slot	Power	Temp
XTX-CV-A11-02	Intel® Atom™ D2550 B3/1.86GHz	DDR3 SODIMM x 1 up to 4GB	CRT, LVDS	24b, 2CH	SATA2 x 2 PATA x 1	FE x 1	6	1	2	1	PCI-E [x1] x 4 32-bit PCI x 4	5V	0°C-60°C
XTX-CV-A11-01	Intel® Atom™ N2600 B3/1.6GHz	DDR3 SODIMM x 1 up to 2GB	CRT, LVDS	24b, 2CH	SATA2 x 2 PATA x 1	FE x 1	6	1	2	1	PCI-E [x1] x 4 32-bit PCI x 4	5V	0°C-60°C

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

## Optional Accessories

- **TF-ECB-910M-A10**  
XTX Carrier Board, LAN, Audio, 4 COM, USB, PCI-E, 2 SATA, TPM, AT/ATX, Rev.A1.0
- **TF-PER-A119**  
Heat Spreader, For XTX/ETX CPU Module
- **TF-PER-A120**  
Passive Heat-sink, For XTX-CV, to be used with head spreader
- **TF-PER-A121**  
CPU Cooler, 35W, For XTX-CV, to be used with head spreader