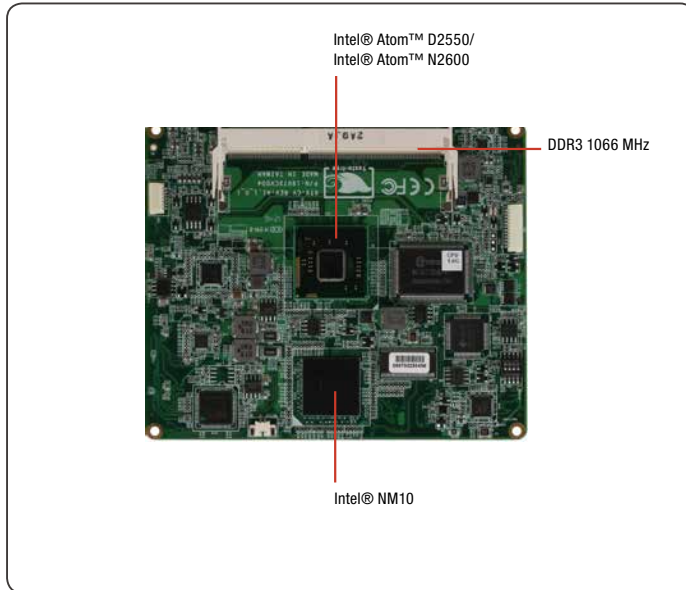


# 07 XTX-CV Rev. A11

XTX/ETX CPU Modules

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



### Features

- Onboard Intel® Atom™ D2550/N2600 Processor
- Intel® NM10
- DDR3 1066 MHz SODIMM x 1, Up to 4 GB
- 10/100Base-TX Ethernet
- CRT, Up to 24-bit Dual-channel LVDS LCD
- SATA 3.0 Gb/s x 2, USB2.0 x 6, PATA x 1
- PCI-Express [x1] x 4, PCI x 4



### Specifications

System	
Form Factor	XTX
CPU	Onboard Intel® Atom™ D2550/N2600 Dual Core Processors, up to 1.86GHz
CPU Frequency	Up to 1.86GHz
Chipset	Intel® NM10
Memory Type	DDR3 1066, SODIMM x 1
Max. Memory Capacity	4 GB (64-bit OS)
BIOS	AMI BIOS
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+5V
Power Consumption (Typical)	Intel® Atom™ N2600 1.6 GHz, DDR 1066 4GB 2.38A@+5V
Power Supply Type	AT/ ATX
Dimension (L x W)	4.5" x 3.74" (114mm x 95mm)
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)	68,000
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Atom™ D2550/N2600 Processor integrated
Video Output	CRT/ LVDS LCD
Backlight Inverter Supply	—
I/O	
Ethernet	Realtek 8105E, 10/100Base-TX
Audio	Realtek ALC892
USB Port	USB2.0 x 6
Serial Port	2
Parallel Port	1
HDD Interface	SATA x 2 (one shared with SATA), PATA x 1
FDD Interface	—
SSD	—
Expansion Slot	PCIe[x1] x 4, PCI x 4
DIO	—
TPM	—

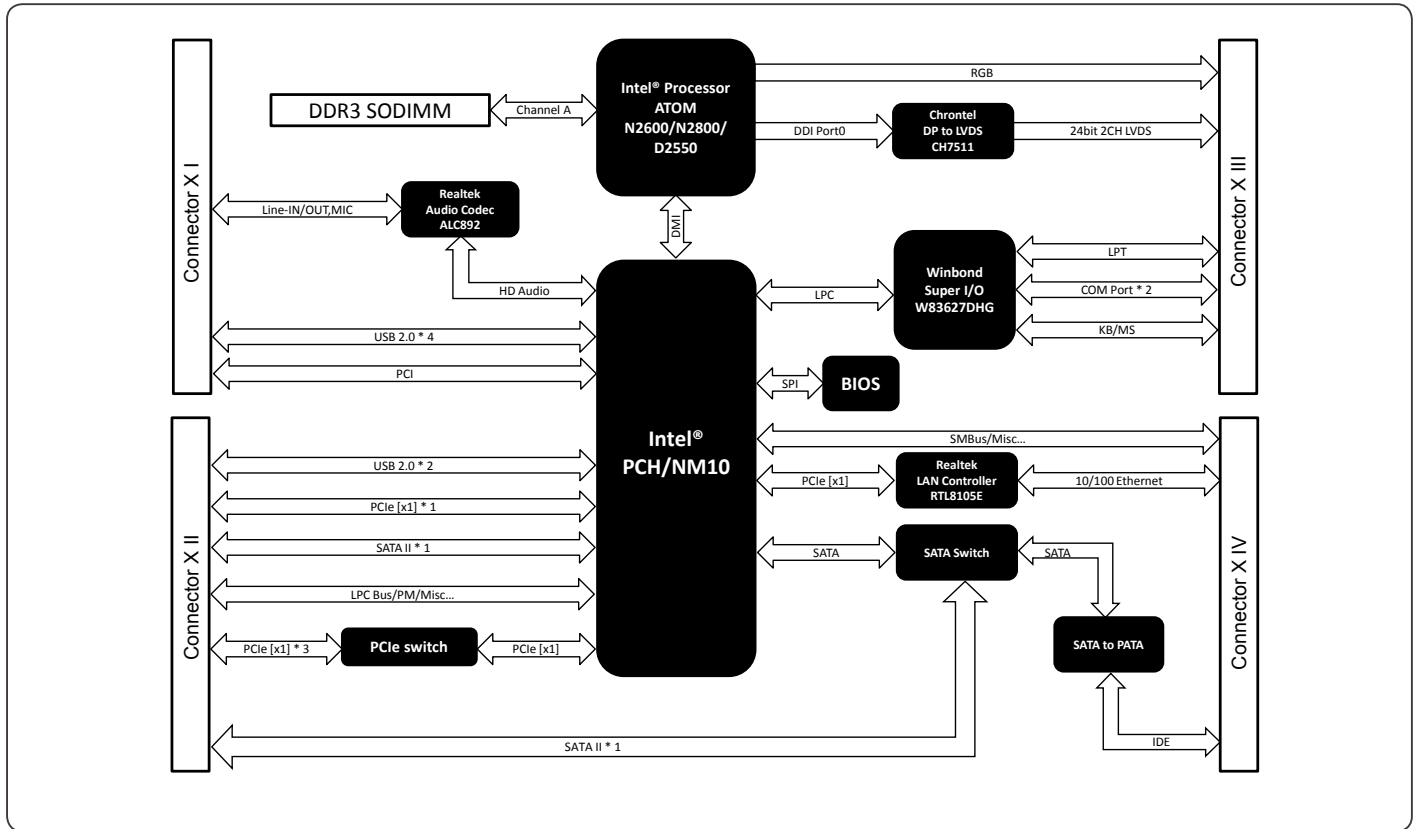
### Packing List

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

### Optional Accessories

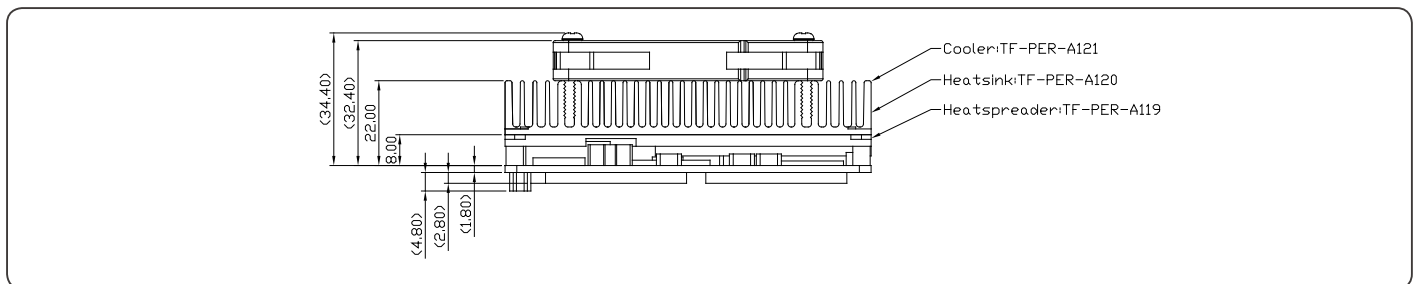
- **TF-ECB-910M-A10**  
XTX Carrier Board, LAN, Audio, 4 COM, USB, PCI-E, 2 SATA, AT/ATX, Rev.A1.0
- **TF-PER-A119**  
Heat Spreader, For XTX-CV CPU Module
- **TF-PER-A120**  
Passive Heat-sink, to be used with head spreader
- **TF-PER-A121**  
CPU Cooler, 35W, to be used with head spreader

## Block Diagram



## 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-A11-01	Intel® Atom™ N2600 B3/1.6 GHz	DDR3 SODIMM x 1 up to 2 GB	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-A11-02	Intel® Atom™ D2550 B3/1.86 GHz	DDR3 SODIMM x 1 up to 4 GB	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.