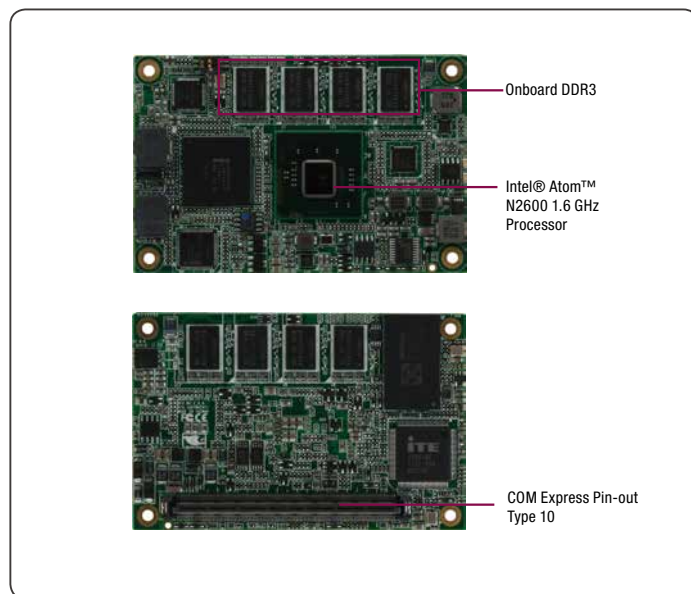


06 NanoCOM-CV Rev. B

COM Express Type 10 CPU Module with Onboard Intel® Atom™ N2600 Processor



Features

- Intel® Atom™ N2600 1.6 GHz Processor
- Intel® NM10
- Onboard DDR3 800 MHz Memory, Up to 2 GB
- Gigabit Ethernet x 1
- 18-bit Single Channel LVDS LCD
- High Definition Audio Interface
- SATA x 2, 4 GB SATA SSD (Shared with SATA)
- USB2.0 x 8, GPIO 8-bit, PCI-Express [x1] x 3
- COM Express Pin-out Type 10
- Ultra/Mini Size, 84mm x 55mm, COM.0 Rev. 2.0

Specifications

System	
Form Factor	COM Express, Ultra (Nano) Module, Pin-out Type 10
CPU	Onboard Intel® Atom™ N2600
CPU Frequency	Up to 1.6GHz
Chipset	Intel® NM10
Memory Type	Non-ECC DDR3 800
Max. Memory Capacity	2GB, DDR3 onboard
BIOS	AMI BIOS
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	Nominal: +12V
Power Supply Type	Nominal: +12V, +4.75V ~ +14.7V (Optional)
Power Consumption (Typical)	0.72A@12V, full load, N2600
Dimension (L x W)	3.31" x 2.17" (84mm x 55mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C), -40°F ~ 185°F (-40°C ~ 85°C) for WITAS 2
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	80,000
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Atom™ N2600 integrated
Video Output	LVDS, DDI
I/O	
Ethernet	Intel® 82583V
Audio	Mic-in, Line-in, Line-out
USB Port	USB 2.0 x 8 via NM10
Serial Port	TX/RX x 2
Parallel Port	—
HDD Interface	SATA 3.0Gb/s x 2 (one share with SSD) SATA SSD x 1 up to 4GB (optional)
FDD Interface	—
SSD	Optional
Expansion Slot	PCI-Express [x1] x 3 LPC bus x 1 SMBus x 1
DIO	GPIO 8-bit
TPM	—



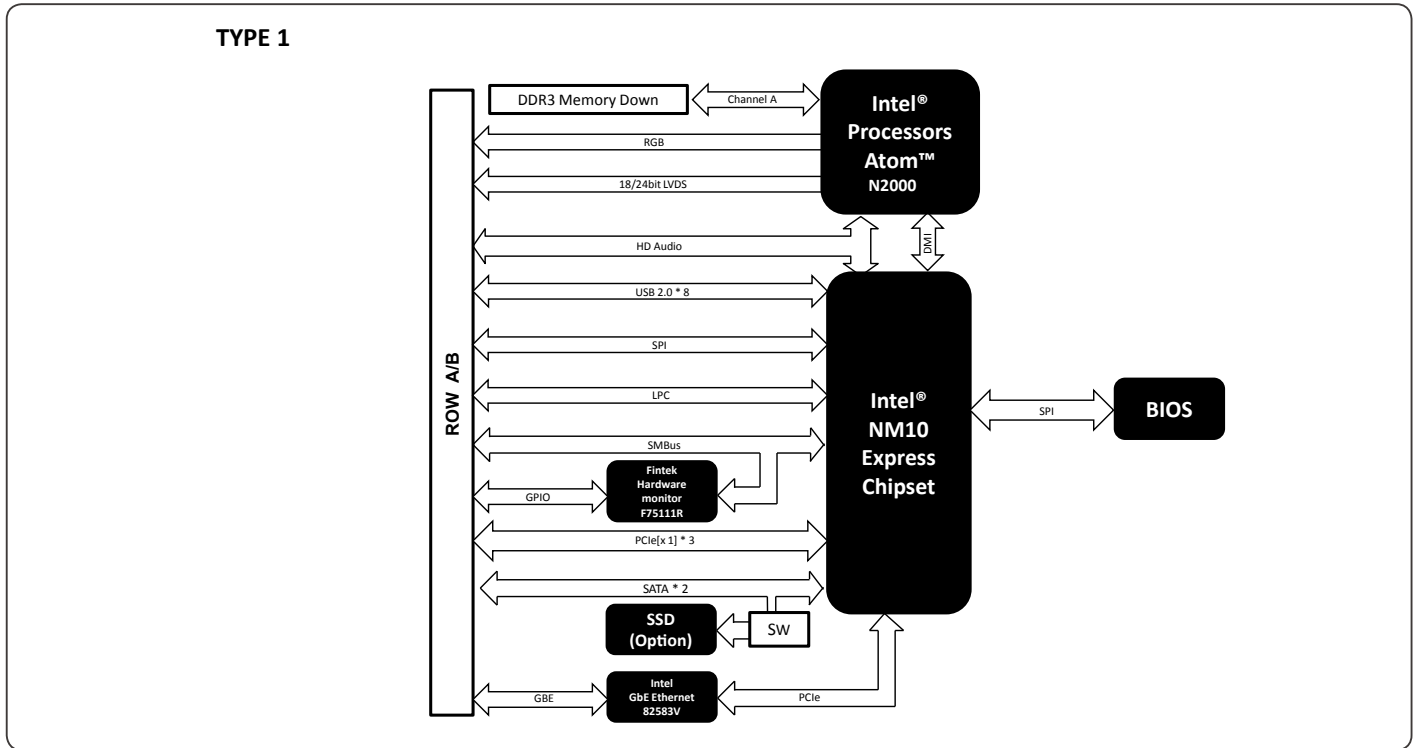
Packing List

- M2.5 Screw x 4
- Product CD
- NanoCOM-CV Rev. B

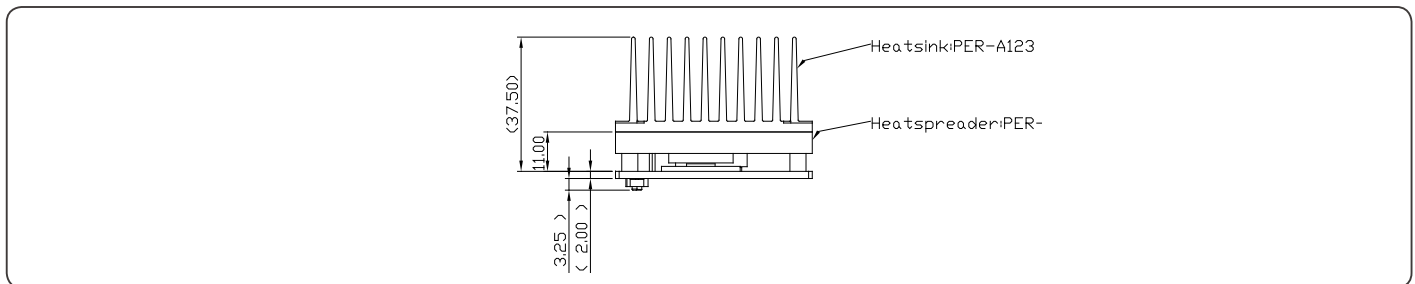
Optional Accessories

- **TF-ECB-920-A10-0001**
COMe Type 1/6/10 Carrier Board, ATX, GbE, 8 USB, 2 COM, 4 SATA, PCIe, AT/ATX, Legacy Free, Rev. A1.0
- **PER-A123**
Passive Heatsink, for NanoCOM size, to be used with Heatsink Spreader
- **PER-A124**
Heat Spreader Kit, for NanoCOM-CV Rev. A & B, Onboard CPU

Block Diagram Unit: mm



Dimension Unit: mm



Ordering Information

Part Number	COM Express Type	CPU	Memory	Display	LVDS	Storage	LAN	USB	UART	Expansion Slot	Power	Temp
NanoCOM-CV-B10	10 (COM.0 Rev.2.0)	Intel® Atom™ N2600 B3/1.6 GHz	Onboard 2 GB DDR3	LVDS, DDI	18b, 1CH	SATA2 x 2	GbE x 1	USB2.0 x 8	Tx/Rx x 2	PCI-Express [x1] x 3	12V	0°C ~ 60°C
NanoCOM-CV-B10-01	10 (COM.0 Rev.2.0)	Intel® Atom™ N2600 B3/1.6 GHz	Onboard 2 GB DDR3	LVDS, DDI	18b, 1CH	4 GB SSD, SATA2 x 1	GbE x 1	USB2.0 x 8	Tx/Rx x 2	PCI-Express [x1] x 3	12V	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.