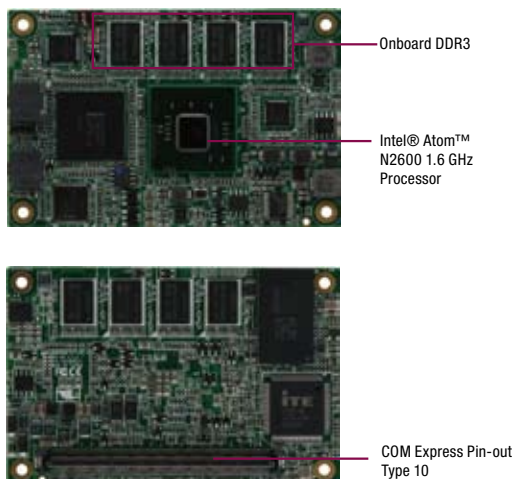


NanoCOM-CV Rev. B

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

06

COM Express CPU Modules



Features

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

Specifications

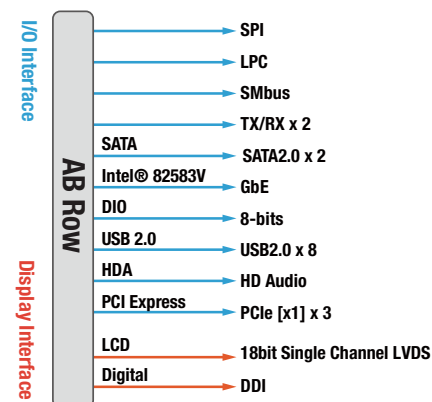
System	
Form Factor	COM Express Nano Module, Pin-out Type 10, COM.0 Rev. 2.0
Processor	Intel® Atom™ N2600 1.6GHz Processor, N2800 1.8GHz (optional)
System Memory	Onboard DDR3 800MHz, N2600: 2 GB, N2800 4GB (optional)
Chipset	Intel® NM10
I/O Chipset	Intel® NM10
Ethernet	Intel® 82583V for 10/100/1000Base-TX
BIOS	AMI BIOS
Wake On LAN	Yes
Watchdog Timer	ITE 8518E
H/W Status Monitoring	Supports CPU Temperature Monitoring
Expansion Interface	PCI-Express [x1] x 3, LPC Bus x 1, SMBus x 1
Power Requirement	Wide DC input range: +4.75V~14.7V (optional), Normal: +12V
Power Consumption (Typical)	Intel® Atom™ N2600 1.6GHz, DDR3 2GB 0.72A@+12V (w/ ECB-917T)
Board Size	3.31" x 2.17" (84mm x 55mm)
Gross Weight	0.44 lb (0.2 Kg)
Operation Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	90,000
Display	
Supports DDI/LCD Simultaneous/Dual view display	
Chipset	Intel® Atom™ N2600 integrated
Memory	Shared system memory up to 256MB
Resolution	DDI: up to 1600 x 1200@60 Hz LCD: up to 1366 x 768@60 Hz
LCD Interface	18-bit Single Channel LVDS
I/O	
Storage	SATA x 2, SATA SSD (share with SATA)
Serial Port	Tx/Rx x 2
Parallel Port	—
USB	USB 2.0 x 8
PS/2 Port	—
IrDA	—
Audio	High definition audio
GPIO	Up to 4 in and 4 out



Packing List

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

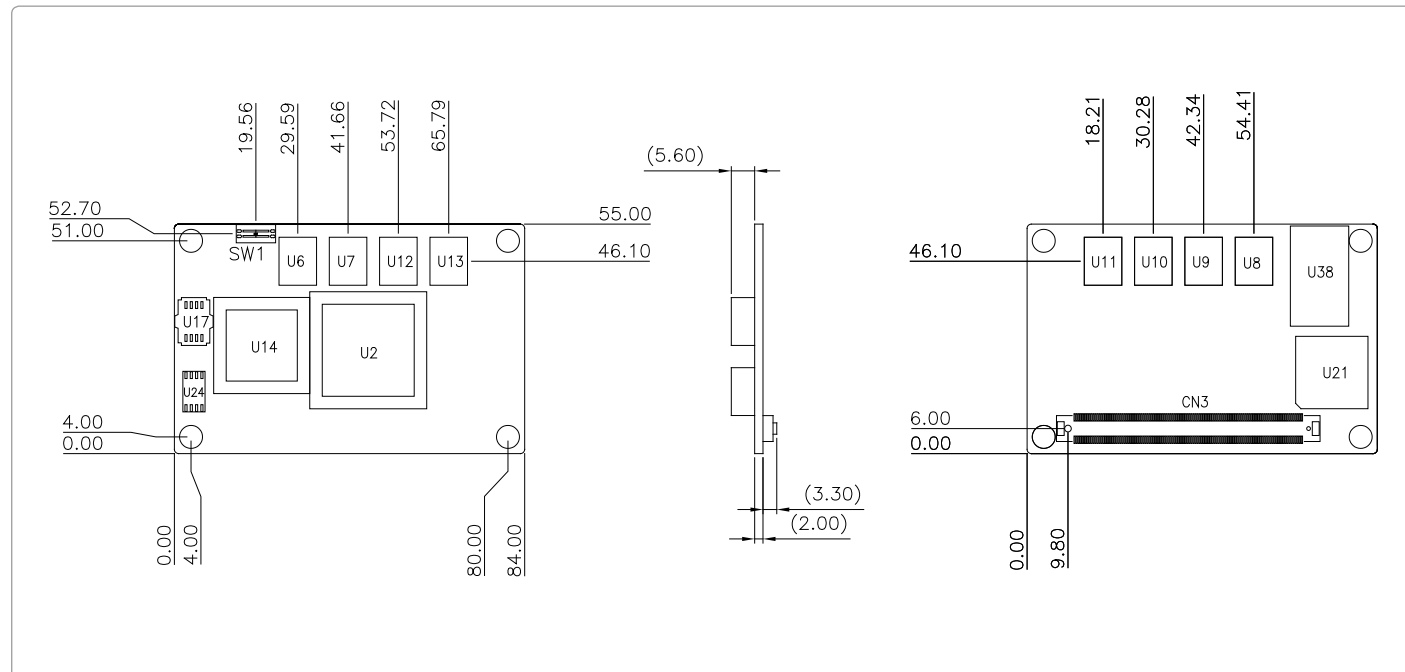
Block Diagram



NanoCOM-CV Rev. B

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 B3/1.6GHz	Onboard 2GB DDR3	LVDS, DDI	18-bit Single Channel	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 B3/1.6GHz	Onboard 2GB DDR3	LVDS, DDI	18-bit Single Channel	4GB 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

Optional Accessories

- **TF-ECB-917T-A10-01**
COM Express Type 10 Carrier Board, Mini-ITX, Gigabit Ethernet, 4 COM, USB2.0, PCI-Express, AT/ATX, Rev. A1.0
- **PER-A123**
Passive Heatsink, for NanoCOM-CV Rev. A & B, Onboard CPU, to be used with Heatsink Spreader
- **PER-A124**
Heat Spreader Kit, for NanoCOM-CV Rev. A & B, Onboard CPU