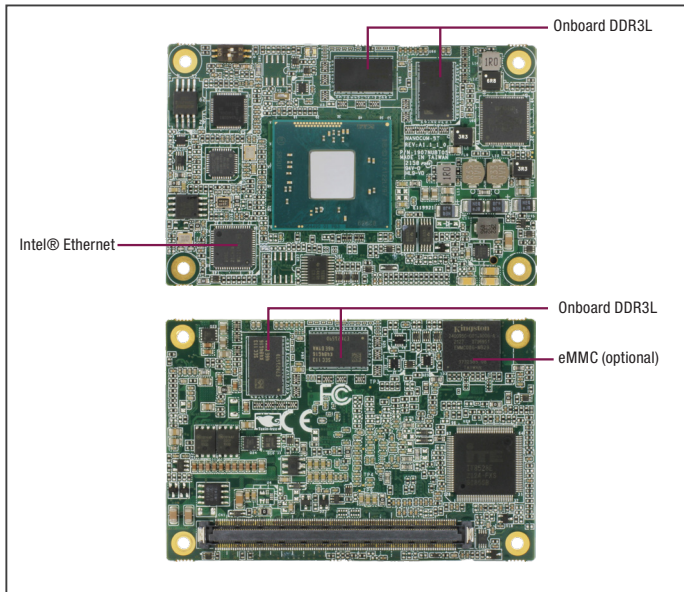


NanoCOM-BT

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



Features

- Intel® Atom™ / Celeron® Series Processor SoC (Formerly Bay Trail)
- Onboard DDR3L 2 GB Memory
- Intel® Gigabit Ethernet x 1
- SATA 3.0 x 2 , Onboard eMMC up to 16GB
- USB 2.0 x 7, USB 3.2 Gen 1 x 1
- 18/24-bit Single Channel LVDS LCDs, DDI x 1
- High Definition Audio Interface
- GPIO 8 bit, PCIe[x1] x3
- COM Express Mini Size , Type 10, 84mm x 55mm



Specifications

System	
Form Factor	COM Express Mini Size, Type 10
CPU	Intel® Atom™ / Celeron® Series Processor SoC (Formerly Bay Trail)
CPU Frequency	Up to E3845, 1.91 GHz
Chipset	Intel® Atom™/ Celeron® Processor SoC
Memory Type	Onboard DDR3L
Max. Memory Capacity	2GB
BIOS	AMI UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12 V and +5 VSB for ATX, +12V for AT
Power Supply Type	AT/ATX
Power Consumption (Typical)	0.7A@12V, full load, E3845
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) Option
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A
Display	
Graphic Controller	Intel® HD Graphic 505/500
Video Output	Dual Display : LVDS LCD/eDP, DDI x 1 Single Channel LVDS (18/24 bit)
I/O	
Ethernet	Intel i210AT/IT GbE x 1
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 7, USB 3.2 Gen 1 x 1
Serial Port	2-Wire UART (Tx/Rx) x 2
HDD Interface	SATA 2 x 2
Expansion Slot	PCIe[x1] x 3 LPC SMBus I2C
GPIO	8-bit
Onboard Storage	eMMC up to 64GB (Optional)
TPM	—

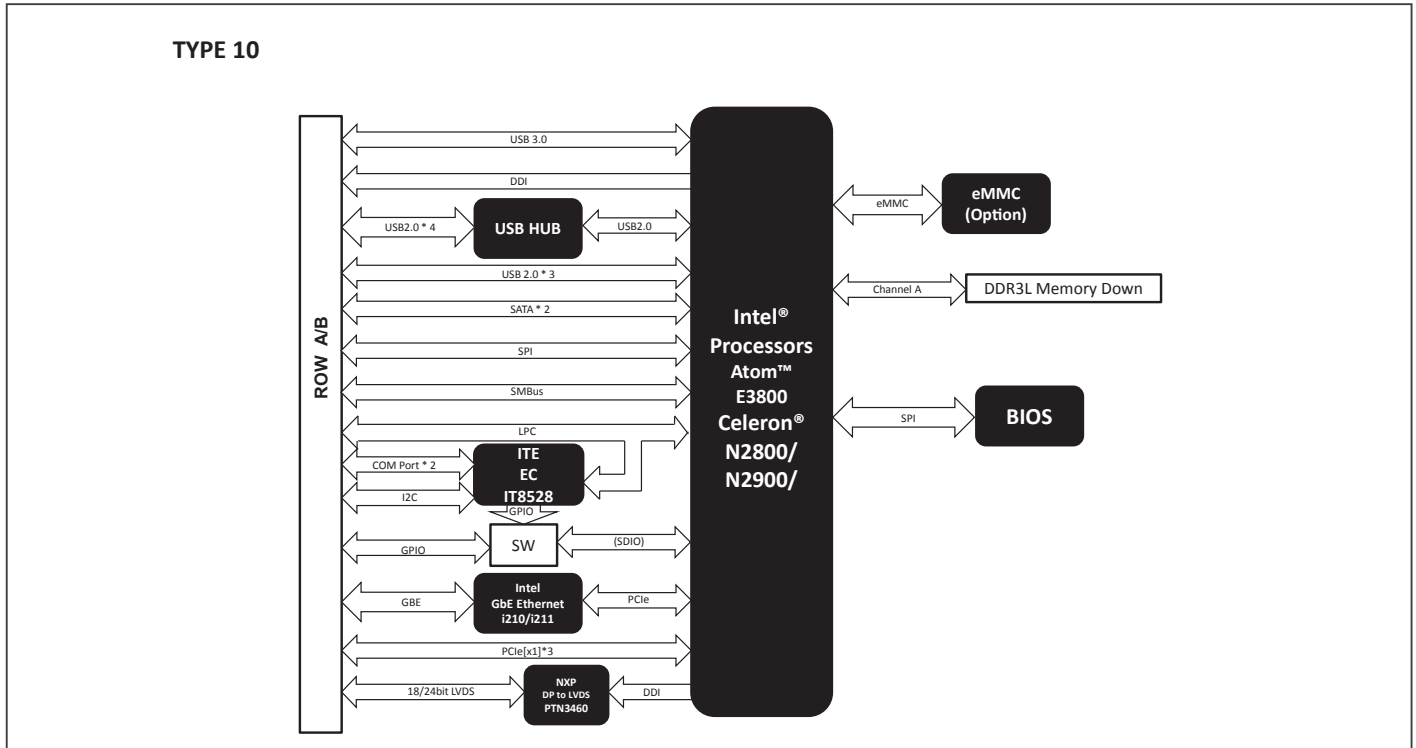
Packing List

- NanoCOM-BT

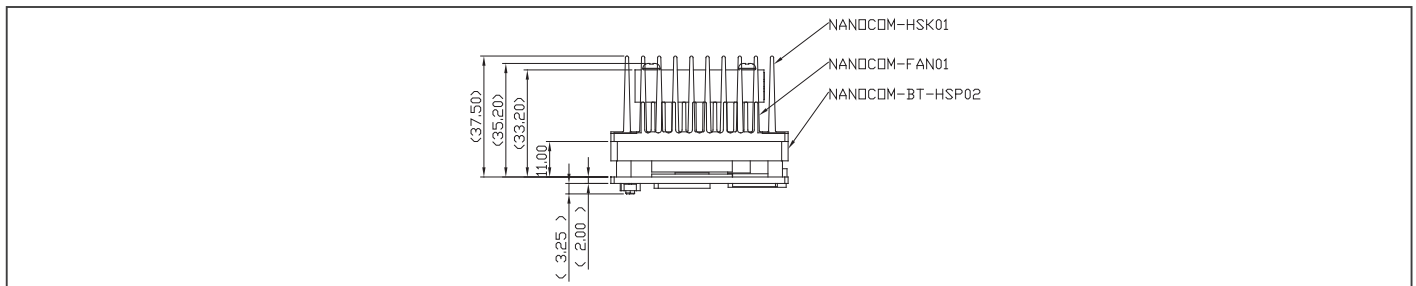
Optional Accessories

- **ECB-920A-A10-0001**
COM Type 1/6/10 Carrier Board, ATX, GbE, 8 USB, 2 COM, 4 SATA, PCIe, AT/ATX, Legacy Free, Rev. A1.0
- **NANOCOM-BT-HSP02**
Heat Spreader, for NanoCOM-BT, Onboard CPU
- **NanoCOM-FAN01**
CPU Cooler, 84 x 55x 22.2 mm, used with HSP
- **NANOCOM-HSK01**
Passive Heatsink, for NanoCOM size, to be used with Heat Spreader

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	Power Temp	Others
NanoCOM-BT-A11-0001	10 (COM.0 Rev. 2.1)	N2930, 4C/1.83 GHz	2GB DDR3L	LVDS/eDP, DDI	18/24bit,1CH	SATA x 2	GbE x 1	USB 3.2 Gen 1 x 1, USB 2.0 x 7	2 (Tx/Rx)	PCIe [x1] x 3	+12V (ATX)	0°C ~ 60°C	LPC, GPIO 8Bit, HDA, I2C, SMBus
NanoCOM-BT-A11-0002	10 (COM.0 Rev. 2.1)	N2807, 2C/1.58 GHz	2GB DDR3L	LVDS/eDP, DDI	18/24bit,1CH	SATA x 2	GbE x 1	USB 3.2 Gen 1 x 1, USB 2.0 x 7	2 (Tx/Rx)	PCIe [x1] x 3	+12V (ATX)	0°C ~ 60°C	LPC, GPIO 8Bit, HDA, I2C, SMBus
NanoCOM-BT-A11-0003	10 (COM.0 Rev. 2.1)	E3845, 4C/1.91 GHz	2GB DDR3L	LVDS/eDP, DDI	18/24bit,1CH	SATA x 2 8GB eMMC	GbE x 1	USB 3.2 Gen 1 x 1, USB 2.0 x 7	2 (Tx/Rx)	PCIe [x1] x 3	+12V (ATX)	0°C ~ 60°C	LPC, GPIO 8Bit, HDA, I2C, SMBus
NanoCOM-BT-A11-0006	10 (COM.0 Rev. 2.1)	E3825, 2C/1.33 GHz	2GB DDR3L	LVDS/eDP, DDI	18/24bit,1CH	SATA x 2 8GB eMMC	GbE x 1	USB 3.2 Gen 1 x 1, USB 2.0 x 7	2 (Tx/Rx)	PCIe [x1] x 3	+12V (ATX)	0°C ~ 60°C	LPC, GPIO 8Bit, HDA, I2C, SMBus