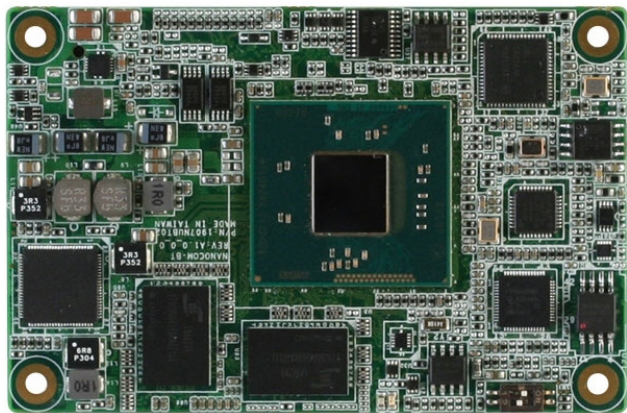


Computer on Modules for OEM/ODM

ONYX NanoCOM-BT

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



Features

- Intel® Atom™ E3800/ Celeron® N2000 Series Processor SoC
- Onboard DDR3L 2 GB Memory (Optional to 4 GB)
- Gigabit Ethernet x 1
- 18/24-bit Single Channel LVDS LCDs, DDI x 1
- High Definition Audio Interface
- SATA x 2, eMMC (Optional)
- USB 2.0 x 6 + USB 2.0/USB 3.2 Gen 1 x 1, GPIO 8-bit, \ PCI-Express [x1] x 3
- COM Express Pin-out Type 10
- Mini Size, 84mm x 55mm, COM.0 Rev. 2.1



Specifications

System

Form Factor	COM Express Mini size, Type 10
CPU	Intel® Atom™/ Celeron® Processor SoC (M/I)
CPU Frequency	Up to E3845, 1.91 GHz
Chipset	Intel® Atom™/ Celeron® Processor SoC
Memory Type	Non-ECC DDR3L-1333
Memory Capacity	2 GB DDR3L Onboard (up to 4 GB)
BIOS	AMI BIOS, Legacy Free
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	Standard : +12V, AT/ATX, Optional: +5V, AT/ATX
Power Supply Type	AT / ATX
Power Consumption	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) by E3800, 2GB SKU
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MFTB (Hours)	90,000
Certification	CE / FCC Class A

Display

VGA / LCD Controller	Intel® HD Graphics
Video Output	LVDS LCD/eDP, DDI x 1
LVDS Interface	Support 18-bit and 24-bit single channel

I/O

Ethernet	Intel® I210IT
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 7, USB 3.2 Gen 1 x 1
Serial Port	TX/RX x 2
HDD Interface	SATA 2 x 2
Onboard Storage	Optional for 8GB/16GB eMMC
Expansion Slot	PCIe [x1] x 3 (up to 3 devices) LPC SMBus I2C
GPIO	GPIO 8-bit
TPM	—