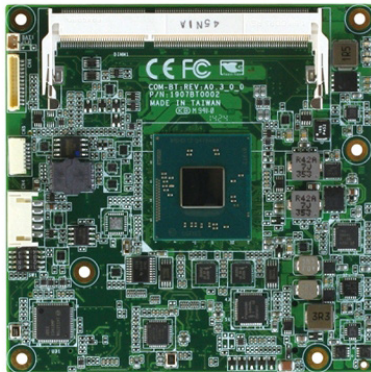


Computer on Modules for OEM/ODM

ONYX COM-BT

COM Express Type 6 CPU Module with Onboard Intel® Atom™/ Celeron® Processor SoC



Features

- Intel® Atom™/ Celeron® Processor SoC
- DDR3L 1066/1333 MHz SODIMM x 1, Up to 8 GB
- Gigabit Ethernet with Intel® Controller
- CRT, Up to 24-bit Dual-channel LVDS, eDP (Optional), up to DDI x 2 (Share w/ eDP LVDS)
- High Definition Audio Interface
- SATA 3.0 Gb/s x 2
- USB 2.0 x 7, USB 3.2 Gen 1 x 1
- PCI-Express [x1] x 3
- COM Express Compact Module, Pin-out Type 6, COM.0 Rev. 2.1
- Supports Industrial Temperature



Specifications

System

Form Factor	COM Express, Compact, Pin-out Type 6
CPU	Onboard Intel® Atom™ SoC
CPU Frequency	Intel® Atom™ N2930 (1.83 GHz), N2807 (1.58 GHz), E3845 (1.91 GHz), E3827 (1.75 GHz), E3825 (1.33 GHz), J1900 (2.0 GHz)
Chipset	Intel® Atom™ SoC
Memory Type	DDR3L 1066/1333 MHz SODIMM x 1
Memory Capacity	8 GB
BIOS	AMI BIOS
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	Standard: +12V
Power Supply Type	AT / ATX
Power Consumption	0.92A@12V, full load, J1900 0.48A@12V, full load, N2807
Dimension (L x W)	3.74" x 3.74" (95mm x 95mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C) -40°F ~ 185°F (-40°C ~ 85°C) optional
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MFTB (Hours)	80,000
Certification	CE / FCC

Display

VGA / LCD Controller	Intel® Atom™ SoC
Video Output	CRT, LVDS LCD, DDI
LVDS Interface	—

I/O

Ethernet	Intel® i211 Gigabit Ethernet
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 x 2
SSD	mSATA x 1 (Full size)
Expansion Slot	PCIe [x1] x 3 (up to 3 devices) LPC SMBus I2C
Onboard Storage	—
GPIO	GPIO 8-bit
TPM	—
Touch	—