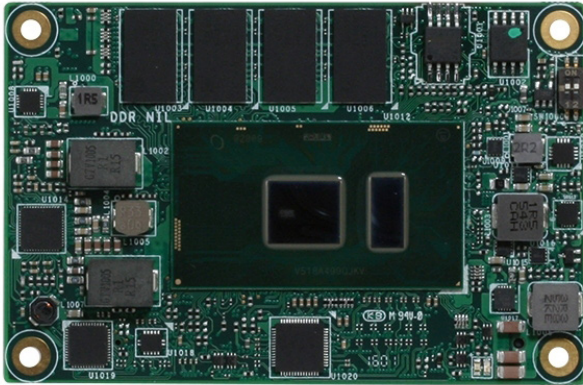


Computer on Modules for OEM/ODM

ONYX NanoCOM-KBU

COM Express Type 10 with 6th Generation Intel® Core™ ULT Series Processor



Features

- 6th Generation Intel® Core™ ULT Series Processor
- Onboard 4GB DDR4 2133 Memory
- Gigabit Ethernet x 1
- 18/24-bit Single-Channel LVDS LCDs/eDP, DDI x 1
- High Definition Audio Interface
- SATA x 2
- USB 3.0 x 2, USB 2.0 x 8
- PCI-Express [x1] x 4
- GPIO x 8, SMBus, I2C, LPC
- COM Express Type 10
- Mini Size, 84mm x 55mm
- Supports Industrial Grade Temperature



Specifications

System

Form Factor	COM Express Mini size, Type 10
CPU	6th generation Intel® Core™ ULT Series Processor
CPU Frequency	Up to i7 6600U 2c/4t, 2.6GHz
Chipset	Intel® Core™/Celeron® Processor SoC
Memory Type	Non-EEC DDR4-2133
Memory Capacity	4GB DDR4 Onboard
BIOS	AMI BIOS, Legacy Free
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	Normal: +12V
Power Supply Type	AT / ATX
Power Consumption	7-6600U 12V@1.5A, i3-6100U 12V@1.42A. Under 100% loading. CPU Set to 15W TDP. CPU base frequency may change accordingly.
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 for NANOCOM-SKU series
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 Class A

Display

Display Controller	Onboard 6th Gen. intel® Core™ U-Series Processor, GT2-520/510
Video Output	LVDS LCD/eDP, DDI x 1
LVDS Interface	Support 18-bit and 24-bit single channel

I/O

Ethernet	Intel® I219 GbE
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 8, USB 3.0 x 2
Serial Port	TX/RX x 2
HDD Interface	SATA 2 x 2
Onboard Storage	N/A
Expansion Slot	PCIe x1 supports 4 devices LPC SMBus I2C
GPIO	8-bit
TPM	fTPM Supported