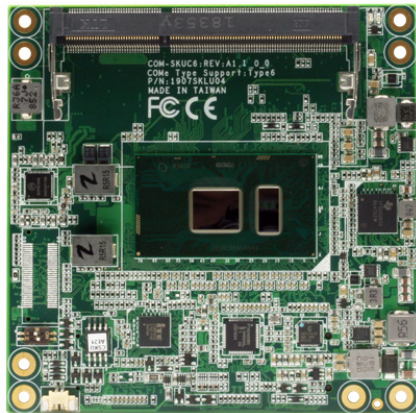


Computer on Modules for OEM/ODM

ONYX COM-SKUC6/KBUC6

COM Express Type 6 Intel® 6th/7th Generation Core™/Celeron™ U-Series SoC



Features

- 6th/7th Generation Intel® Core™/Celeron™ i3/i5/i7 U-Series SoC
- DDR3L SODIMM x 1, up to 8 GB, non-ECC only
- Intel® I219-LM Gigabit Ethernet x 1
- 18/24-bit Dual Channel LVDS LCD (eDP Optional), VGA, DDI up to 2 High Definition Audio Interface
- SATA3 x 3 (SATA Port 3 for i5 / i7 sku only)
- USB 2.0 x 8, USB 3.2 Gen 1 x 4, GPIO 8-bit, PCI-Express [x1] x 8
- COM Express Type 6 Compact Size 95mm x 95mm



Specifications

System

Form Factor	COM Express Compact Size, Type 6
CPU	Onboard 6th/7th Generation Intel® Core™/Celeron™ i3/i5/i7 U-series SoC Processor
CPU Frequency	Up to i7-7600U 2C/ 2.8 GHz
Chipset	Onboard 6th/7th Generation Intel® Core™/Celeron™ U-series SoC
Memory Type	DDR3L 1600, SODIMM x 1
Memory Capacity	8 GB
BIOS	AMI BIOS, Legacy Free BIOS
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	Standard: +12V
Power Supply Type	AT / ATX
Power Consumption	i7-7600U, 8GB DDR3L, full loading 1.32A@12V during 100% loading burn in test
Dimension (L x W)	3.75" x 3.75" (95 mm x 95 mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	10% ~ 80% relative humidity, non-condensing
MFTB (Hours)	80,000
Certification	CE / FCC Class A

Display

VGA / LCD Controller	Onboard 6th Gen Intel® Core U-Series Processor, GT2-520/510 Onboard 7th Gen Intel® Core U-Series Processor, GT2-620/610
Video Output	VGA, LVDS (eDP Optional), DDI x 1 (up to 2)
LVDS Interface	Supports 18-bit and 24-bit dual channel

I/O

Ethernet	Intel®PHY I219LM
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 8 , USB 3.2 Gen 1 x 4
Serial Port	2-Wire UART (Tx/Rx) x 2
HDD Interface	SATA3 x 2 ; i5 & i7 up to 3
Onboard Storage	—
Expansion Slot	PCIe[x1] x8, I2C, LPC, SMBus
GPIO	GPIO 8-bit
TPM	Optional