

COM-1816 COM Express Type 6 Basic with Intel® QM87

Brief Introduction

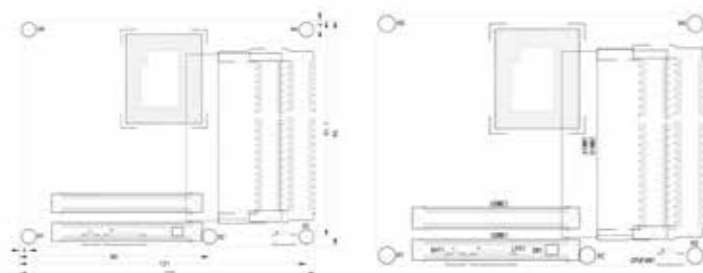
COM-1816 series is a high-performance embedded Type6 basic model COM Express module developed based on Intel® QM87 chipset. It is compliant with PICMG COM.0 R2.1 specifications, and adopts 4th-generation Intel® Core™ i7/i5/i3 high-performance mobile processor.



Features

- Support Intel® 4th Gen Core i7/i5/i3 CPU
- Support 2 x SODIMM up to 16GB
- Support VGA+LVDS+DDI, dual-display
- Support 1 x PCIe16 and 7 x PCIe1
- Support DC 12V or 5VSB+12V
- Support -40~85°C

Product size chart



(Company : MM)

Specifications

Items	Specification
Chipset	Intel® QM87
CPU	Intel® i7-4700EQ 2.4GHz, i5-4400E 2.7GHz, i3-4110E 2.6GHz
Memory	2 x 204 PIN DDR3L SODIMM, up to 16GB
Storage	4 x SATA 3.0, RAID 0/1/5/10
LAN	1 x 10/100/1000 Mbps, support wake-on-line
I/O	1 x VGA, 1 x LVDS, 1 x DDI (support DP/HDMI/DVI) Support dual-independent display
	4 x USB 3.0, 8 x USB 2.0
	2 x Serial ports, support RS232/422/485
	Audio, support Mic-in, Line-in, Line-out
Expansion	1 x 8ch GPIO
	1 x PCIe16, 7 x PCIe1, SMBus, LPC
Watchdog Timer	1 ~ 255sec/min timer system reset or interrupt
Power Supply	DC 12V or 5VSB+12V
Operating System	Win10, Win8, Win7, Win7E, Linux
Environment	Operating temperature: 0 ~ 60°C Optional -40~85°C Storage temperature: -40 ~ 85°C Humidity: 5% ~ 95% Non-condensing
Dimensions(L x W)	125mm x 95mm

Ordering Information

P/N	Model	Description
0030-020791	COM-1816CLNA-I34110E	COME Type 6 Compact/Intel® i3-4110E/2 x SODIMM/4 x SATA/VGA+LVDS+DDI/LAN/12 x USB/2 x COM/8ch GPIO/Audio/1 x PCIe16/7 x PCIe1/SMBus/LPC/0 ~ 60°C
0030-020781	COM-1816CLNA-I54400E	COME Type 6 Compact/Intel® i5-4400E/2 x SODIMM/4 x SATA/VGA+LVDS+DDI/LAN/12 x USB/2 x COM/8ch GPIO/Audio/1 x PCIe16/7 x PCIe1/SMBus/LPC/0 ~ 60°C
0030-020671	COM-1816CLNA-I5-4400E-ECC	COME Type 6 Compact/Intel® i5-4400E/2 x SODIMM/4 x SATA/VGA+LVDS+DDI/LAN/12 x USB/2 x COM/8ch GPIO/Audio/1 x PCIe16/7 x PCIe1/SMBus/LPC/0 ~ 60°C Support ECC memory
1500-002131	Heat Sink	Heat Sink for COM-1816 series