

EPE-1816

EPE Standard PICMG 1.3 Full size CPU card

- EVOC EPE Bus, Compliant PICMG 1.3 Standard
- Adopt Intel® H110 chipset, support LGA1151 CPU
- 2*DDR4 DIMM support up to 32GB memory
- Rich expansion backplane supported
- VGA, DVI-D, DP multi display
- Rugged CPCI connector with superb reliability



Specifications

CPU	Support Intel® LGA1151 6 th Gen Core i7/i5/i3, Pentium, Celeron Processor
Chipset	Intel® H110
Memory	Provide 2*DDR4 1866/2133MHz DIMM slot, up to 32GB
Display	DP(Connector), VGA, DVI-D (PIN header), support dual-display
Audio	Mic-in/Line-in/Line-out
LAN	2*10/100/1000Mbps RJ45
Storage	4*SATA
I/O	4*USB 3.0; 6*USB 2.0 2*COM, support RS232/422/485, PIN header, also support LPC expand for 4*COM 1*LPT, PIN header 1*PS/2 1*8ch GPIO
Expansion	EPE standard backplane support PCIe x16, PCIe x4, PCIe x1, PCI
Working environment	-10~60°C, 0~95% @ 40°C (Non-condensing)
Storage environment	-20~80°C, 0~95% @ 40°C (Non-condensing)
Watchdog	1-255 sec/min timer system rest or interrupt, setup by software
Power	ATX power

Ordering Information

Part Number	Model Number	Description
0030-021671	EPE-1816	PICMG 1.3 CPU card/Intel H110 chipset/Support LGA1151 processor/ 2*DDR4 DIMM, up to 32GB/4*SATA 2.0/2*GbE/10*USB/2*COM/ VGA/DVI-D/DP/LPT PIN header

EPE Standard Backplane Selection Guide

P/N	Model Number	Description
1050-004631	EPE-6113E4(V)	13slots EPE PCIe/PCI backplane, 1*system slot/8*PCI/1*PCIe x16/3*PCIe x1/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port/Support AT 12PIN
1050-004641	EPE-6110E5(V)	10slots EPE PCIe/PCI backplane, 1*system slot/4*PCI,1*PCIe x16/4*PCIe x1/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port/Support AT 12PIN
1050-004651	EPE-6105E2(V)	5slots EPE PCIe/PCI backplane, 1*system slot/2*PCI/1*PCIe x16/1*PCIe x1/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port/Support AT 12PIN
1050-004671	EPE-6105E1	5slots EPE PCIe/PCI backplane, 1*system slot/3*PCI/1*PCIe x16/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port
1050-004541	EPE-6109E2	9slots EPE PCIe/PCI backplane, 1*system slot/6*PCI/1*PCIe x16/1*PCIe x1/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port/Support AT 12PIN
1050-004601	EPE-6113E2	13slots EPE PCIe/PCI backplane, 1*system slot/10*PCI/1*PCIe x16/1*PCIe x4/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port/Support AT 12PIN
1050-004661	EPE-6105P2	5slots EPE PCI/ISA backplane, 1*system slot/2*PCI/2*ISA/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port
1050-004621	EPE-6111P6	11slots EPE PCIe/PCI/ISA backplane, 1*system slot/6*PCI/1*PCIe x16/3*ISA/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port
0050-001551	EPE-6109E4	9slots EPE PCIe/PCI backplane, 1*system slot/4*PCI/4*PCIe x1/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port
1050-001491	EPE-6111P8	11slots EPE PCI/ISA backplane, 1*system slot/8*PCI/2*ISA/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port
1050-005261	EPE-6112E5	12slots EPE PCIe/PCI backplane, 1*system slot/6*PCI/4*PCIe x4/1*PCIe x16/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port
0050-001501	EPE-6112E7	12slots EPE PCIe/PCI backplane, 1*system slot/4*PCI/3*PCIe x1/4*PCIe x4/2*SATA/ 2*USB 2.0/2*USB 2.0 PIN header/ATX power port

Why Rugged CPCI Connector?



VS



- 360° surrounding, with high airtightness, anti-corrosion, anti-oxidation, anti-dust, anti-vibration
- Workable in dusty, drippy, high/low temperature, vibrant environment
- Optimize layout of GND signal, improve EMC performance