



EPE-1815

EPE Standard PICMG 1.3 Full size CPU card

- EVOC EPE Bus, Compliant PICMG 1.3 Standard
- Adopt Intel® H61 chipset, support LGA1155 CPU
- 2*DDR3 DIMM support up to 16GB memory
- Rich expansion backplane supported
- VGA, DVI-D, independent dual display
- Rugged CPCI connector with superb reliability



Specifications

CPU	Support Intel® LGA1155 2 nd 3 rd Gen Core i7/i5/i3, Pentium, Celeron Processor
Chipset	Intel® H61/B65/Q67
Memory	Supports 2 x 240p DDR3 DIMM slot, up to 16GB memory
Display	Dual display VGA + DVI, supports independent dual-display VGA1: up to 2048 x 1536@75Hz DVI: up to 1920 x 1200@60Hz
Audio	1 x HD audio, supports MIC-in, LINE-in and LINE-out
LAN	1x 10/100/1000Mbps LAN port, 1 x RJ45 optional, LAN1 supports Wake-On-LAN, and LAN1 of Q67 series supports AMT7.0 function
Storage	Q67: 2 x SATA3.0+4 x SATA2.0(two are brought out via backplane); B65: 1 x SATA3.0+5 x SATA2.0(two are brought out via backplane); H61: 4 x SATA2.0, Q67 supports RAID0,1,5,10
I/O	H61/B65: 10 x USB 2.0; Q67: 14 x USB2.0(four are brought out via backplane); 2 x USB3.0 (optional)/ 2 x COM port; COM1 supports RS-232/RS-422/RS-485 optional; COM1 supports Modem wakeup function/ 1 xLPT, supporting SSP/EEP/ECP mode/ 1 x PS/2/ 8bit GPIO
Expansion	Adopts EPE bus standard, and supports expansion to 1 x PCIE x16, 4 x PCIE x1, 10 x PCI and 3 x ISA slot by backplane
Working environment	0~60℃, 0~95% @ 40℃ (Non-condensing)
Storage environment	-20~80℃, 0~95% @ 40℃ (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
0030-020361	EPE-1815V2NA-B65L	PICMG 1.3standard full-size CPU card, Intel B65 chipset, support Intel® 1155packageI3/I5/I7 series CPU, total up to16GB memory/ onboard 2x1000Mbps Ethernet card(network card chipset INTEL 82574L)/support 5xSATA2.0 port,1xSATA3.0 port ,No RAID function/10xUSB 2.0/ 2Xcom(one support RS232/422/485 optional)/support LPC expand extra 4 RS232COM/support VGA,DVI and VGA+DVI display
0030-020021	EPE-1815VNA-H61	PICMG 1.3standard full-size CPU card, Intel H61 Chipset, support Intel® 1155packageI3/I5/I7 series CPU, total up to16GB memory/ onboard1x1000Mbps Ethernet card/ support 4xSATA2.0 port, No RAID function/10xUSB 2.0 port/



		2xCOM(one support RS232/422/485), support LPC expand extra 4 RS232 COM/support VGA, DVI and VGA+DVI display.
0030-019991	EPE-1815V2NA-H61	PICMG 1.3standard full-size CPU card, Intel H61 Chipset, support Intel® 1155packageI3/I5/I7 series CPU, total up to 16GB memory/ onboard 2x1000Mbps Ethernet card/ support4xSATA2.0 port, No RAID function/10xUSB 2.0 port/ 2xCOM(one support RS232/422/485 optional), support LPC expand extra 4 RS232 COM/ support VGA, DVI and VGA+DVI display

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