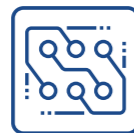PARHELIA

IPC-820

4U Standard Rack Mount Chassis

IPC-820 is a 4U rack mount chassis, which supports various full-length cards and industrial motherboards, such as EPE, EC9 and ECO series. It has built-in high-speed air intake fans, excellent heat dissipation, vibration resistance, and EMC performance. Its front panel is shaped by sheet metal, and its chassis body is made of high-quality steel sheet. The integrated lock protection system for the chassis and door panel can prevent unauthorized personnel from invading. It can be widely used in various fields such as communication, network, finance, power, transportation and industrial automation.
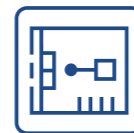
Product Specifications

Item	Description
Motherboard	PICMG 1.0, PICMG 1.3, EPI 2.0 and EPE standard full-size boards, ATX motherboard
Carrier Board	10-slot standard PICMG 1.0 backplane, 14-slot standard PICMG 1.0 backplane, 10-slot standard PICMG 1.3 backplane, 13-slot standard EPI 2.0 backplane and 10-slot EPE backplane.
Storage	1 x 5.25" CD-ROM bay, 2 x 3.5" hard disk shock-absorption bay
I/O Ports	Power switch, reset switch, power supply and hard disk indicators; 2 x USB port at front
Power Supply	Standard ATX power supply
Working Temperature	0℃～50℃, 5%～90%(non-condensing)
Storage Temperature	-20℃～60C, 5%～90%(non-condensing)
Dimensions (W×H×D)	482 mm×177 mm×470.4 mm

Ordering Information

Part No.	Model	Description
0010-140551	IPC-820/ECO-1816/ G2120/2G/1T/250W	H61 platform motorboard/G2120/2G memory/1T HDD/250W power supply/VGA+DVI-D, 2 x Gigabit LAN port, 6 x USB (2 at front, 4 at rear) , 6 x COM port, 1 group of audio ports, 1 x PS2, 1 x LPT; expansion: 4 x PCI, 1 x PCIEX4, 1 x PCIEX16 Note: because PCIE X4 slot and LAN2 share a same resource, when PCIE X4 card is inserted, LAN2 does not function.
0010-098921	IPC-820/EC01817-6COM/ G3430/2G/1T/250W	H81 platform motorboard/G3430/2G memory/1T HDD/250W power supply/6 x COM, 6 x USB port (2 at front, 4 at rear) , 2 x Gigabit LAN port, VGA+DVI-D, 1 group of audio ports, 1 x PS2, 1 x LPT, expansion: 4 x PCI, 2 x PCIEX1 (PCIEX4 slot), 1 x PCIEX16
0010-127011	IPC-820/EC0-1818(C)/ G3900/4G/1T/250W	H110 platform motorboard/G3900/4G memory/1T HDD/250W power supply/6 x COM, 6 x USB port (2 at front, 4 at rear) , 2 x Gigabit LAN port, VGA+HDMI, 1 group of audio ports, 1 x PS2, 1 x LPT; expansion: 4 x PCI, 1 x PCIEX4, 1 x PCIEX16
0010-140691	IPC-820/EC0-1820(B)/ I7-9700/4G/1TB/300W	H310 platform motorboard/I7-9700/4G memory/1T HDD/300W power supply/6 x COM, 6 x USB (2 at front, 4 at rear) , 2 x Gigabit LAN port, any two display ports among four (VGA, HDMI, DVI-D, DP), 1 group of audio ports, 1 x PS2, 1 x LPT, expansion: 5 x PCI, 1 x PCIEX4, 1 x PCIEX16
0010-153581	IPC-820/EC0-1822/i7-10700E/8G/1T/300W	H420E platform motorboard/i7-10700E/8G memory/1T HDD/300W power supply/6 x COM, 8 x USB (2 at front, 6 at rear), 2 x Gigabit LAN port, VGA+DP, 1 group of audio ports, expansion: 4 x PCI, 2 x PCIEX4 (actually providing the speed of X1), 1 x PCIEX16
0010-153591	IPC-820/EC0-1822/i9-10900E/16G/1T/256G	H420E platform motorboard/i9-10900E/16G memory/1T HDD+256G SSD/300W power supply/6 x COM, 8 x USB (2 at front, 6 at rear), 2 x Gigabit LAN port , VGA+DP, 1 group of audio ports, expansion: 4 x PCI, 2 x PCIEX4 (actually providing the speed of X1), 1 x PCIEX16
0010-169241	IPC-820/EC0-1823-03/I7-10700/16G/1T/256G	Q470E platform motorboard/i7-10700/16G memory/1T HDD+256G SSD/300W power supply/6 x COM, 10 x USB (2 at front, 8 at rear), 2 x Gigabit LAN port, VGA+DP+DVI-D, 1 group of audio ports, expansion: 2 x PCI, 2 x PCIE x16, 3 x PCIE x4 Note: When two PCIE*16 slots are used at same time, the speed is reduced to the speed of PCIE*8
0010-072771	IPC-820/EPE-1815-G2120-2G-1T-250W no optical drive	H61 platform motorboard/G2120/2G memory/1T HDD/250W power supply/EPE-6111P6(6 x PCI, 3 x ISA, 1 x PCI-E×16) /1 x LAN port, 1 x VGA, 4 x USB(2 at front, 2 at rear), 2 x COM, 1 x LPT, 1 x Audio (accessories), 1 x PS2
0010-096921	IPC-820/EPE-1816/I3-6100/4G/500G/300W no optical drive	H110 platform motorboard/I3-6100/4G memory/500G HDD/300W power supply/EPE-6110E5(V)(4 x PCI, 4 x PCI-E×1 (actually only 2 can be used) 、1 x PCI-E×16) /2 x LAN port, DP+VGA, 1 x PS2, 4 x USB(2 at front, 2 at rear), 2 x COM, 1 x Audio (accessories)
0010-096931	IPC-820/EPE-1816/I5-6500/4G/500G/300W no optical drive	H110 platform motorboard/I5-6500/4G memory/500G HDD/300W power supply/ EPE-6112E5 (6 x PCI, 4 x PCIE*4, 1 x *16) /2 x LAN port, DP+VGA, 1 x PS2, 4 x USB(2 at front, 2 at rear), 2 x COM, 1 x Audio (accessories)
0010-096941	IPC-820/EPE-1816/I7-6700/4G/1T/300W no optical drive	H110 platform motorboard/I7-6700/4G memory/1T HDD/300W power supply/ EPE-6113E2 (10 x PCI, 1 x PCI-E×1 (×4 slot), 1 x PCI-E×16) /2 x LAN port, DP+VGA, 1 x PS2, 4 x USB (2 at front, 2 at rear), 2 x COM, 1 x Audio (accessories)

Product Features

4U standard rack mount

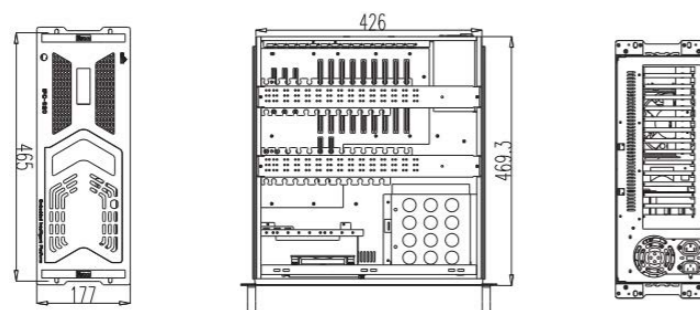Supports multiple motherboards

Super EMC performance

Easy replacement of dustproof mesh

Product Dimensions Drawing

426

465

177

469.3

Please refer to the user manual to check detailed specifications and dimension. (Unit: MM)