

PICMG Backplane

PICMG GENERAL DESCRIPTION

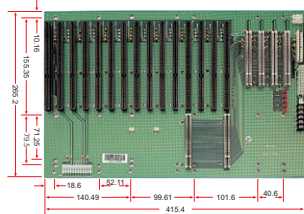
PICMG Backplane in this section are SBC (Single Board Computer)/SHB (Single Host Board) companion that feature expansion slots such as ISA, PCI, PCI-X or PCI Express interface. In addition, backplane also features several power connectors that draw power from power supply to devices on it. Some LEDs are designed on board to indicate status of each power rail.

PICMG 1.0 supports both ISA & PCI, PICMG 1.2 supports dual PCI or PCI-X, and PICMG 1.3 supports PCI Express and PCI expansion. Some bridges or switches can be applied to backplane to support more devices or different kind of expansion interfaces. However, PICMG 1.0, 1.2, and 1.3 are not compatible with each other.

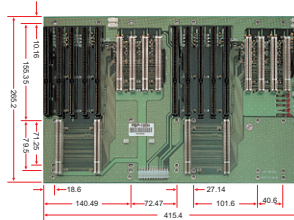
PICMG 1.0 BACKPLANE

Passive Backplane: Backplane that only support up to four PCI master

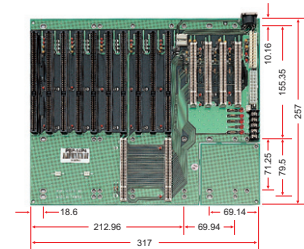
■ 32-bit PCI/16-bit ISA



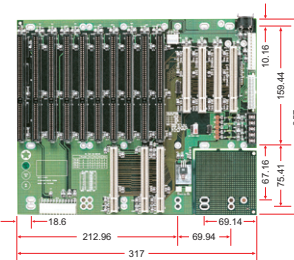
PBP-19P4
19-slot (4xPCI) PICMG Backplane
 - Fit for 20-slot chassis
 - ATX power connector support
 - Sufficient ISA slots for CTI application



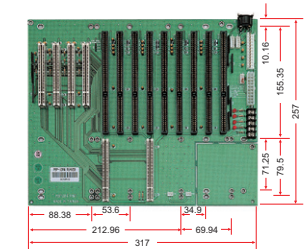
PBP-18D4
18-slot Dual-system PICMG Backplane
 - Fit for 20-slot chassis
 - Designed for fault-tolerant computing
 - ATX power connector support



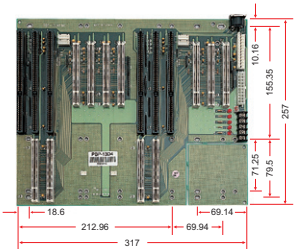
PBP-14P4
14-slot (4xPCI) PICMG Backplane
 - Fit for 14-slot chassis
 - ATX power connector support
 - The most popular and reliable PICMG backplane



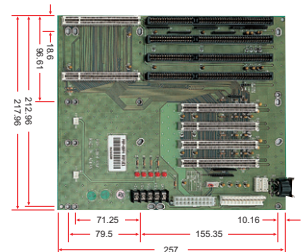
ACTI-14P4
14-slot (4xPCI) Active PICMG Backplane
 - 2.4 mm PCB thickness
 - ATX power connector support
 - Fit for 14-slot chassis



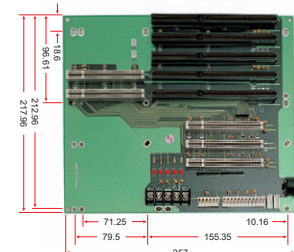
PBP-13R4
13-slot (4xPCI) PICMG Backplane
 - Fit for 14-slot chassis
 - Special design for full-length PCI cards
 - ATX power connector support



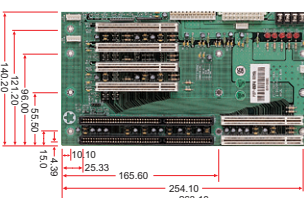
PBP-13D4
13-slot Dual-system PICMG Backplane
 - Fit for 20-slot chassis
 - Design for fault-tolerant computing
 - ATX power connector support



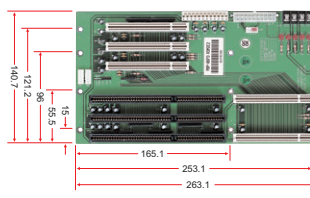
PBP-08P4
8-slot (4xPCI) PICMG Backplane
 - Fit for node chassis and desktop case
 - ATX power connector support



PBP-08P3
8-slot (3xPCI) PICMG Backplane
 - Fit for node chassis and desktop case

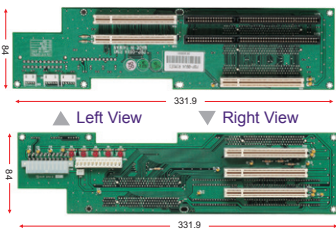


PBP-06P4
6-slot (4xPCI) PICMG Backplane
 - Fit for node chassis
 - ATX power connector support

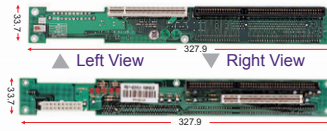


PBP-06P3
6-slot (3xPCI) PICMG Backplane
 - Fit for node chassis
 - ATX power connector support

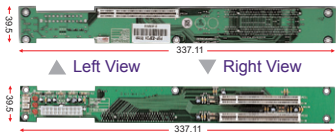
PICMG Backplane



BBP-06V4
Vertical 6-slot (4xPCI) PICMG Backplane
- Fit for 2U chassis
- ATX and AT power connector support

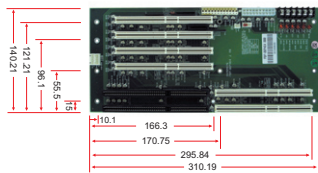


BBP-02V1X
Vertical 2-slot (1xPCI) PICMG Backplane
- Fit for 1U chassis
- ATX power connector support

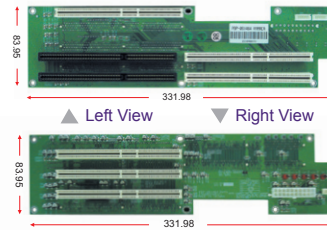


BBP-03P2X
Vertical 3-slot (2xPCI) PICMG Backplane
- Fit for Portwell's 1U chassis
- ATX power connector support

64-bit PCI/16-bit ISA

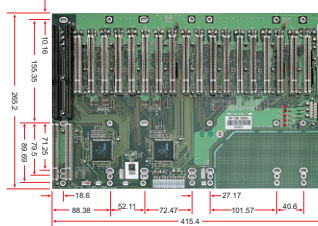


BBP-06P464
6-slot (4x64-bit PCI) PICMG Backplane
- Fit for node chassis
- ATX and AT power connector support

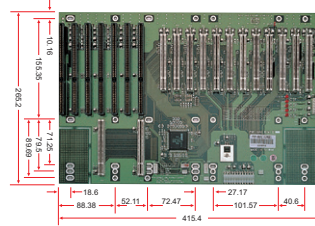


BBP-06V464
Vertical 6-slot (4x64-bit PCI) PICMG Backplane
- Fit for 2U chassis
- ATX power connector

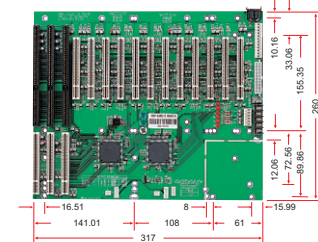
Active Backplane: Backplane that using bridge to support PCI master beyond four



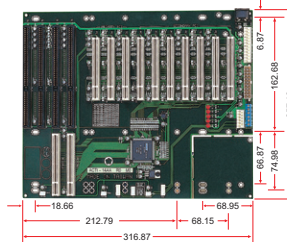
BBP-19AI
19-slot (18xPCI) Active PICMG Backplane



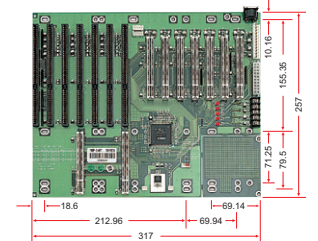
BBP-19AC
19-slot (12xPCI) Active PICMG Backplane



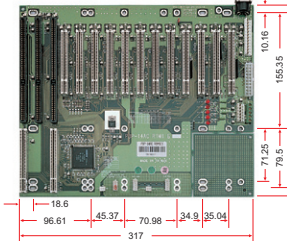
BBP-14AC-B
14-slot (12xPCI) Active PICMG Backplane



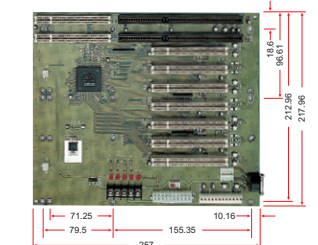
ACTI-14AA
14-slot (10xPCI) Active PICMG Backplane
- 2.4 mm PCB thickness
- ATX power connector support
- Fit for 14-slot chassis



BBP-14A7
14-slot (7xPCI) Active PICMG Backplane



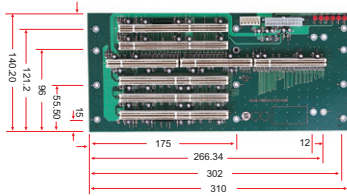
BBP-14AC
14-slot (12xPCI) Active PICMG Backplane



BBP-08A7
8-slot (7xPCI) Active PICMG Backplane

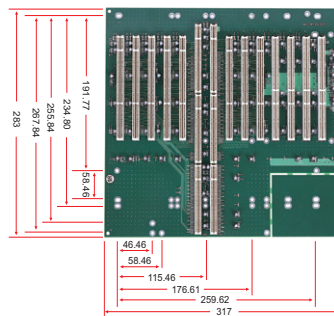
PICMG Backplane

PICMG 1.2 BACKPLANE



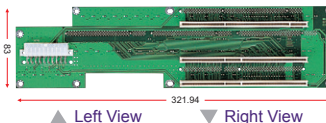
PBP-06P564
6-slot (2xPCI-X, 3xPCI)
64-bit PICMG 1.2 Backplane

- Fit for 6-slot node chassis
- ATX & aux power connectors support



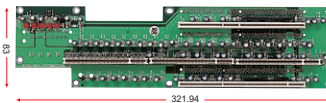
PBP-14PD64
14-slot (8xPCI-X, 4xPCI)
64-bit PICMG 1.2 Backplane

- Support 4 independent buses with ROBO-8820VG2H & PA-B1
- Three PCI-X buses; one PCI bus
- ATX & AUX power connectors support



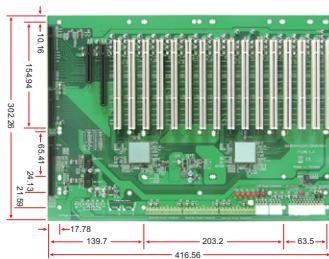
PBP-06V564
Vertical 6-slot (2xPCI-X, 3xPCI)
64-bit PICMG 1.2 Backplane

- Fit for 2U chassis
- ATX power connector support



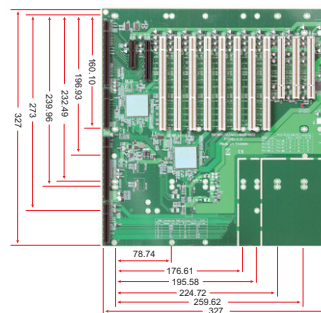
PICMG 1.3 BACKPLANE

Server Grade Backplane



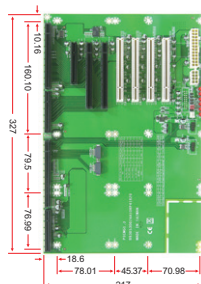
PBPE-19AG64
19-slot [PCI-E x8 (1), PCI-E x4 (1), PCI-X (16)]

- Fit for 4U up chassis
- Dedicated to ROBO-8920VG2
- Four PCI-X buses support 16 PCI-X expansion slots



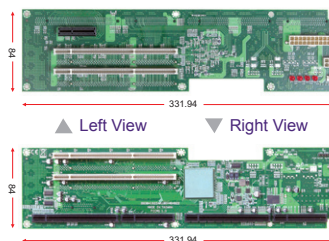
PBPE-14AD64
14-slot [PCI-E x4 (1), PCI-E x8 (1), PCI-X (8), PCI (3)]

- Fit for 4U chassis
- Dedicated to ROBO-8920VG2
- Four PCI-X buses support eight PCI-X expansion slots



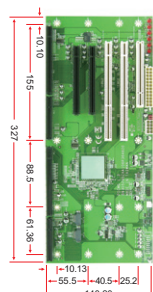
PBPE-08P41
8-slot [PCI-E x8 (1, x4 signal), PCI-E x16 (2, x8 signal), PCI (4)]

- Fit for Node chassis
- Dedicated to ROBO-8920VG2
- Four USB ports



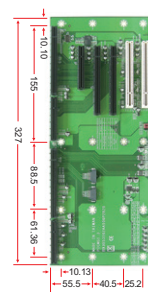
PBPE-06V464
Vertical 6-slot [PCI-E x4 (1), PCI-X (4)]

- Fit for 2U chassis
- Dedicated to ROBO-8920VG2
- Dual PCI-X buses support four PCI-X slots



PBPE-06A364
6-slot [PCI-E x16 (2, x8 signal), PCI-X (2), PCI (1)]

- Fit for Node chassis
- Dedicated to ROBO-8920VG2
- Four USB ports
- Dual SATA ports
- Two PCI-X buses support two PCI-X expansion slot

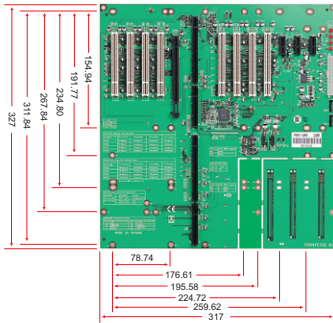


PBPE-06P2
6-slot [PCI-E x8 (1, x4 signal), PCI-E x16 (2, x8 signal), PCI (2)]

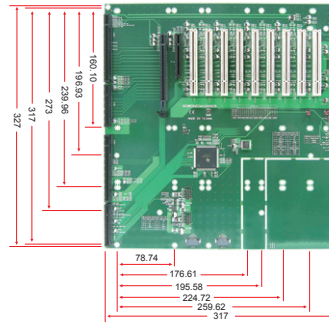
- Fit for Node chassis
- Dedicated to ROBO-8920VG2
- Four USB ports

PICMG Backplane

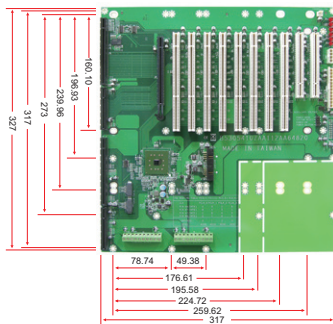
Non-Server Grade Backplane



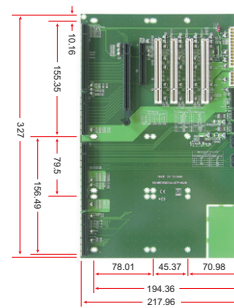
PBPE-13A8
13-slot [PCI-E x1 (3), PCI-E x16 (1), PCI (8)]
 - Fit for 4U chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports
 - 24-pin ESP12V power connector



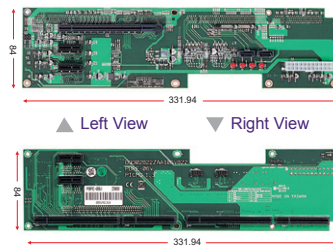
PBPE-12A9
12-slot [PCI-E x16 (1), PCI-E x8 (1), x4 signal), PCI (9)]
 - Fit for 4U chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports



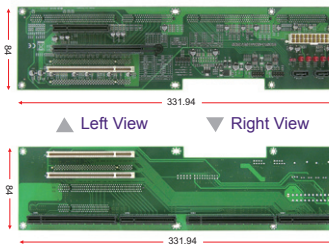
PBPE-12AA64
12-slot [PCI-X (8), PCI-E x16 (1), PCI (2)]
 - Fit for 4U chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports
 - Two PCI-X buses support eight PCI-X expansion slot



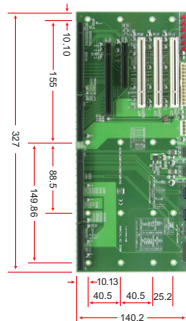
PBPE-07P4
7-slot [PCI-E x4 (1), PCI-E x16 (1), PCI (4)]
 - Fit for Node chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports



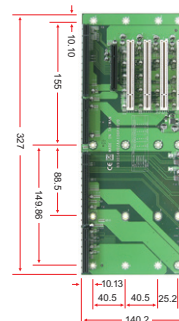
PBPE-06V
Vertical 6-slot [PCI-E x1 (4), PCI-E x16 (1)]
 - Fit for 2U chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports
 - 24-pin ESP 12V power connector



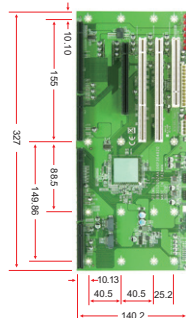
PBPE-06V3
Vertical 6-slot [PCI-E x4 (1), PCI-E x16 (1), PCI (3)]
 - Fit for 2U chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports



PBPE-06P3
6-slot [PCI-E x16 (1), PCI-E x4 (1), PCI (3)]
 - Fit for Node chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports



PBPE-06P4
6-slot [PCI-E x8 (1), x4 signal), PCI (4)]
 - Fit for Node chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports



PBPE-05A364
5-slot [PCI-E x16 (1), PCI-X (2), PCI (1)]
 - Fit for Node chassis
 - Dedicated to ROBO-8912VG2AR
 - Four USB ports
 - Dual SATA ports
 - Two PCI-X buses support two PCI-X expansion slot

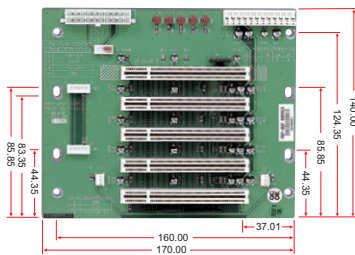
PCI & ISA Backplane

PCI GENERAL DESCRIPTION

- Compact size backplane for half size PCI SBC
- PICMG 1.0 Rev 2.1 Compliant (PCI golden finger only)
- Support AT or ATX type power connector
- 4-layer PCB with power and ground planes to reduce power noise and keep lower impedance
- Frame rated PCB at 94-V0
- User friendly design supports external K/B connector, power for chassis fan and power indicator

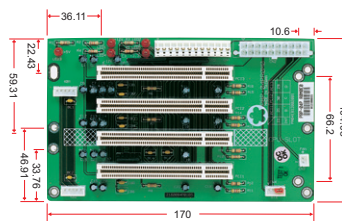
PBP-05P

5-slot Passive PCI Backplane



PBP-04P

4-slot Passive PCI Backplane



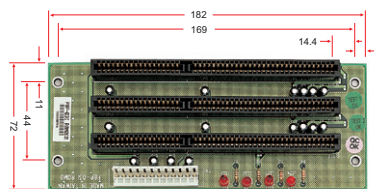
ISA GENERAL DESCRIPTION

- 4-layer PCB with ground and power planes for reducing noise and keeping lower impedance
- Frame Rated PCB at 94-V0
- LED power indicator for +5V, +12V, -5V and 12V
- Heavy duty terminal block connector for industrial power supply wiring(*)
- Equipped with gold-plated socket for good contact
- Easy cut for dual or multi systems(*)
- Plug-in sockets of termination resistors for high-speed signal. (*)

(***) means for most part of products

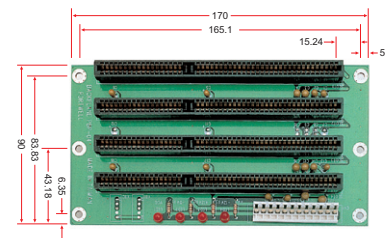
PBP-03I

3-slot Passive ISA Backplane



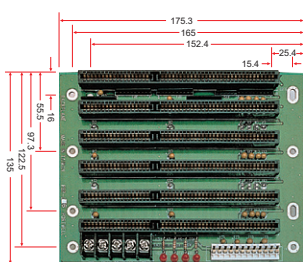
PBP-04I

4-slot Passive ISA Backplane



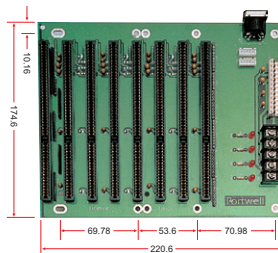
PBP-06I

6-slot Passive ISA Backplane



PBP-08I

8-slot Passive ISA Backplane



PBP-14I

14-slot Passive ISA Backplane

