

PICMG 1.3 Backplane

Selection Guide

PAC series wall-mount Chassis

4U Rack-mount Chassis

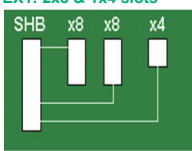

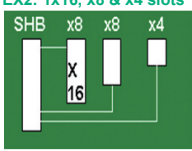

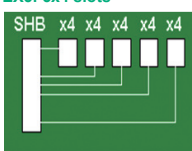

2U Rack-mount Chassis

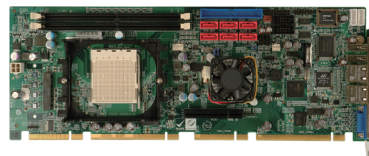
| Backplane | | SPE-4S | SPE-6S | SPE-9S | SPXE-9S | SPXE-14S | | | |
|----------------|-------|--|--|-----------------------|-----------------------|---|--|--|--|
| Total | Slot | 4 | 6 | 9 | 9 | 14 | | | |
| PCIe | x16 | | | | | | | | |
| | x8 | 2(x16connector) | | 1+1(x16connector) | 1+1(x16connector) | 1(x16connector) | | | |
| | x4 | 1 | 5 | 3 | 2 | | | | |
| | x1 | | | | | 12 | | | |
| | PCI-X | | | | 2 | | | | |
| | PCI | | | 3 | 2 | | | | |
| PSU TYPE | | 24+4 pin ATX | 24+4 pin ATX | 24+4 pin ATX | 24+4 pin ATX | 24+4 pin ATX | | | |
| Chassis Option | | PAC-106G PAC-107G PAC-1000G PACO-506F | PAC-106G PAC-107G PAC-1000G PACO-506F | PAC-125G RACK-900G | PAC-125G RACK-900G | RACK-305G RACK-360G RACK-814G RACK-3000G | | | |

IEI Server Grade Backplane Solution

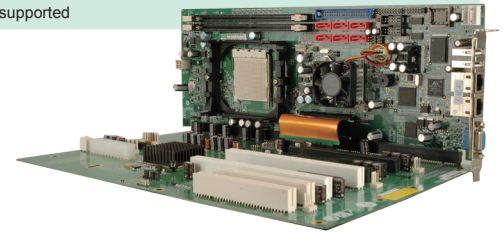
Server grade backplane accommodates PCIe x8 and multiple PCIe x4 add-on cards. It is specially designed for extensive data transfer application such as data storage server or applications require more than one PCIe x4 or four PCIe x1 cards. Given the multiple PCIe x4 and x1 supports, it provides a more cost effective solution for end-users by reducing the number of systems.

Server Grade Backplane

| Example | Corresponding Model |
|--|---|
| EX1: 2x8 & 1x4 slots  | SPE-4S  |
| EX2: 1x16, x8 & x4 slots  | SPE-9S SPXE-9S  |
| EX3: 5x4 slots  | SPE-6S  |



| | |
|-----------------|--|
| Server Grade | Integrated, small foot print enhances schematic stable and performance |
| AMD64 | AMD Socket AM2 32/64-bit single/Dual Core CPU supported |
| ECC support | Reduce the latency of memory access by integrated memory controller |
| Expansion | 28 Configurable PCIe lanes provide direct signal transferring path on the backplane w/o switch |
| Connectivity | Dual GbE support Load-balancing/TOE/ ASF2.0 for data distribution and remote management |
| Data Protection | 6 SATA II with RAID Function supported |



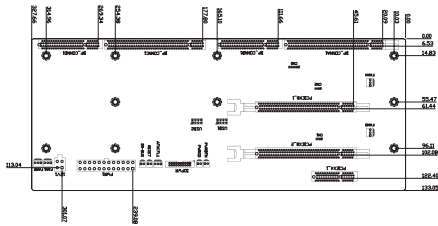
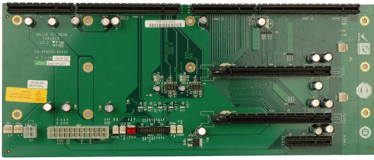
Now earning more PCIE Bandwidth and Flexible PCIe Configuration than Standard PICMG1.3 Via SPCIE-3600AM2

| | | SPCIE-3600AM2 | | | | | | |
|---------------------------------------|-----|--|---|---|---|---|---|---|
| | | Type | A | B | C | D | E | F |
| PCIe Slots Available (Non -switch) | x16 | 1 | 1 | 1 | - | - | - | - |
| | x8 | 1 | 1 | - | 3 | 2 | 1 | - |
| | x4 | 1 | - | 2 | 1 | 3 | 5 | - |
| | x2 | - | - | 2 | - | - | - | - |
| | x1 | - | 4 | - | - | - | - | - |
| Backplane Solution | | IEI SPE/SPXE BP | | | | | | |
| Option | | To perform bandwidth of full 28 PCIe Lanes, external PCIe x8 converter Board(X8-PCIE-CB-R10) must be used. SPE-4S / SPE-6S is compliant for PICMG1.3 sever-grade SBC with 20 PCIe Lanes Supported | | | | | | |

System Solution for options

| Backplane | Total Slot | PCIe | | | | | | PSU Type | Chassis Option |
|-----------|------------|------|--------------------------|----|----|-------|--------------|---|----------------|
| | | x16 | x8 | x4 | x1 | PCI-X | PCI | | |
| SPE-4S | 4 | - | "2 (x16 connector)" | 1 | - | - | 24+4 pin ATX | PAC-106G, PAC-107G, PAC-1000G, PACO-506F | |
| SPE-6S | 6 | - | - | 5 | - | - | 24+4 pin ATX | PAC-106G, PAC-107G PAC-1000G, PACO-506F | |
| SPE-9S | 9 | - | "1+1 (x16 connector)" | 3 | - | 3 | 24+4 pin ATX | PAC-125G, RACK-900G | |
| SPXE-9S | 9 | - | "1+1 (x16 connector)" | 2 | - | 2 | 24+4 pin ATX | PAC-125G, RACK-900G | |
| SPXE-14S | 14 | - | "1 (x16 connector)" | - | 12 | - | 24+4 pin ATX | RACK-305G, RACK-360G RACK-814G, RACK-3000G | |

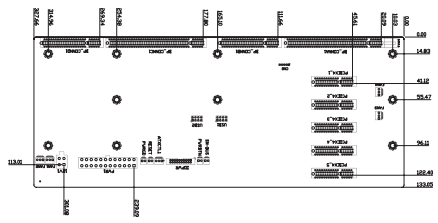
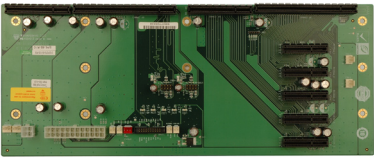
SPE-4S



Ordering Information

| | |
|--------------|--|
| SPE-4S-R10 | 4-Slot PICMG 1.3 Backplane with 2 PCIe x16 (x8 signal) and 1 PCIe x4 slots |
| PAC-106G-R20 | 6-Slot Full Size Industrial Chassis |
| PAC-107G-R20 | 6-Slot Full Size Industrial Chassis |
| PAC-1000G | 6-Slot Full Size Industrial Chassis |
| PACO-506F | 6-Slot Full Size Industrial Chassis |

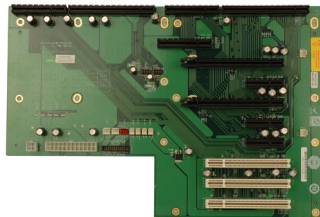
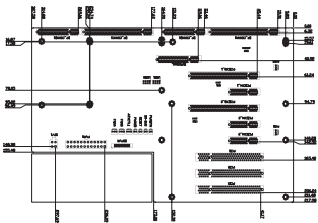
SPE-6S



Ordering Information

| | |
|--------------|---|
| SPE-6S-R10 | 6-Slot PICMG 1.3 Backplane with 5 PCIe x4 slots |
| PAC-106G-R20 | 6-Slot Full Size Industrial Chassis |
| PAC-107G-R20 | 6-Slot Full Size Industrial Chassis |
| PAC-1000G | 6-Slot Full Size Industrial Chassis |
| PACO-506F | 6-Slot Full Size Industrial Chassis |

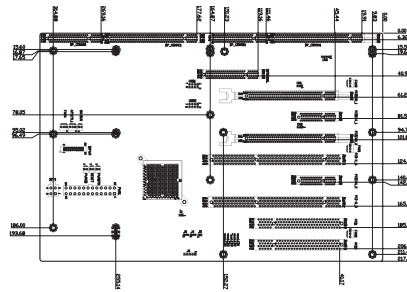
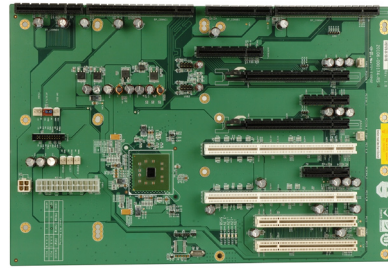
SPE-9S



Ordering Information

| | |
|--------------|---|
| SPE-9S-R10 | 9-Slot PICMG 1.3 Backplane with 2 PCIe x16 (x8 signal) 3 PCIe x4, and 3 PCI |
| PAC-125G-R20 | 10-Slot Full Size Industrial Chassis |
| RACK-900G | 10-Slot Full Size Industrial Chassis |

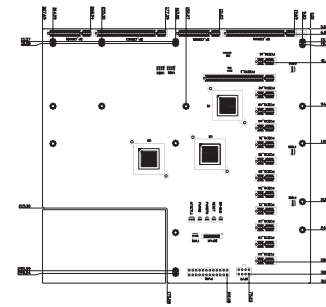
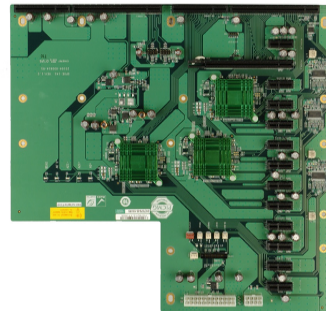
SPXE-9S



Ordering Information

| | |
|--------------|--|
| SPXE-9S-R10 | 9-Slot PICMG 1.3 Backplane with 2 PCIe x16 (x8 signal) 2 PCIe x4, 2 PCI-X, and 2 PCI |
| PAC-125G-R20 | 10-Slot Full Size Industrial Chassis |
| RACK-900G | 10-Slot Full Size Industrial Chassis |

SPXE-14S



Ordering Information

| | |
|----------------|--|
| SPXE-14S-R10 | 14-Slot PICMG 1.3 Backplane with 1 PCIe x16 (x8 signal) and 12 PCIe x1 |
| RACK-305G-R20 | 4U Rack-mount Industrial Chassis |
| RACK-360G-R20 | 4U Rack-mount Industrial Chassis |
| RACK-814G-R20 | 4U Rack-mount Industrial Chassis |
| RACK-3000G-R20 | 4U Rack-mount Industrial Chassis |