PICMG 1.3 Passive Backplane

Selection Guide

☐ PAC series wall-mount chassis   ☐ 4U/5U rack-mount chassis   ☐ 1U/2U rack-mount chassis
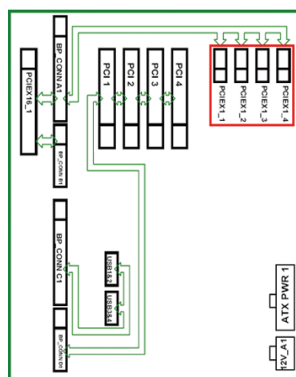
PICMG 1.3 (PCIe+PCI)	Model		PE-2SD1	PE-3S1	PE-4S	PE-5S	PE-5S2	PE-6S	PE-6S2	PE-6SD	PE-6SD3
Total Slot			2	5	4	5	5	6	6	5	5
Expansion Slots	PCIe Slots	x16 *	1 (Gen 2.0)	1 (Gen 3.0)	1	1 (2.0)	1 (Gen 2.0)	1 (Gen 2.0)	1 (Gen 2.0)	1 (Gen 2.0)	1 (Gen 2.0)
		x4		1 (Gen 3.0)	1	1 (Gen 2.0)			1 (Gen 2.0)		1 (Gen 2.0)
		x1					3 (Gen 2.0)	2 (Gen 2.0)		3 (Gen 2.0)	
	PCI-X Slots										
	PCI Slots				1	2		2	3		2
USB Connectors by Pin Header			4		4	4	4	4	4	4	4
PSU Type			24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX
Chassis			RACK-1150-PE	RACK-500AI	N/A	RACK-500G	RACK-500G	RACK-305G RACK-360G RACK-3000G PAC- 1700G PAC-125	PAC-106G PAC-1000G	N/A	N/A
Note			1U Type							2U Type	2U Type

PICMG 1.3 (PCIe+PCI)	Model		PE-7S	PE-8S	PE-9S	PE-10S	PE- 10S2	PXE-13S	PXE-19S2
Total Slot			7	8	9	10	10	13	19
Expansion Slots	PCIe Slots	x16 *	1 (Gen 2.0)	1 (Gen 2.0)	1 (Gen 2.0)	1 (Gen 2.0)	1 (Gen 2.0)	1 (Gen 3.0)	1 (Gen 3.0)
		x4							
		x1	2 (Gen 2.0)	3 (Gen 2.0)	4 (Gen 2.0)	4 (Gen 2.0)	4 (Gen 2.0)	3 (Gen 3.0)	1 (Gen 3.0)
	PCI-X Slots								
	PCI Slots		3	3	3	4	4	8	16
USB Connectors by Pin Header			4	4	4	4	4	4	4
PSU Type			24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX	24+4-pin ATX
Chassis			PAC-1700G	PAC-125G	N/A	RACK-305G RACK-360G RACK-3000G	RACK-3000G RACK-305G RACK-360G	RACK-3000G RACK-305G RACK-360G	N/A
Note								PCIe to PCI Bridge Backplane	

*When using a PCIe x16 add-on card, the length of the card must not exceed 167mm or 6.57 inches.

IEI Graphics Grade Backplane Solution

The graphics grade backplane solution targets the applications which concern system speed and performance. It has higher performance over cost ratio than the previous PICMG 1.0 solution.
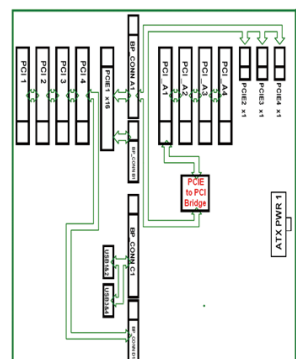

PE-3S1   PE-4S   PE-5S   PE-6S2   PE-9S   PE-10S   PE-10S2

• Twenty PCIe lanes in total
• One PCIe x16 slot
• Up to four PCIe x1 or one PCIe x4 slot
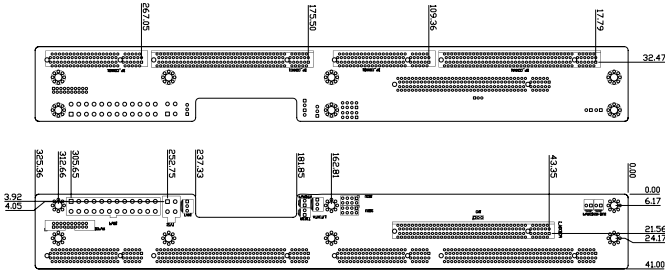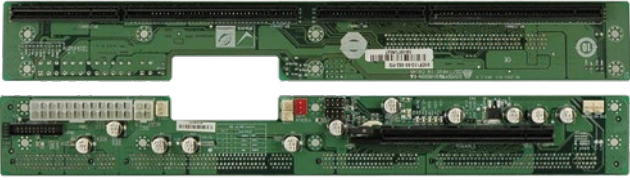• Up to four local PCI slots (w/o bridge)

PXE-13S   PXE-19S2

• Twenty PCIe lanes in total
• One PCIe x16 slot
• Up to four PCIe x1 slots
• PCI slots expandable via PCIe to PCI bridge
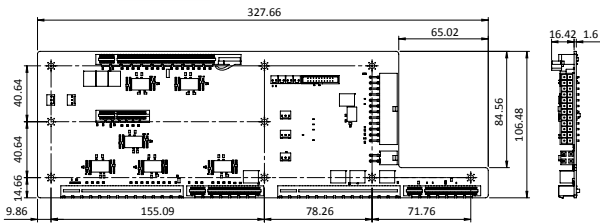
PE-2SD1-R10

For 1U system!

Ordering Information

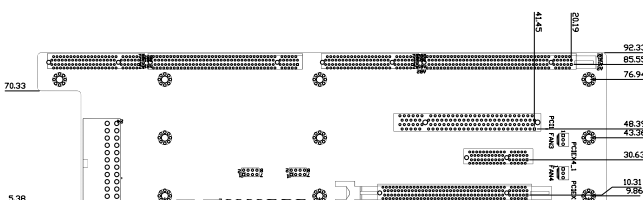|	
PE-2SD1-R10	2-slot backplane with one PCIe slot (PCIe Gen 2.0)
RACK-1150G-PE	1U full-size rack-mount chassis

PE-3S1-R10 *New*

Ordering Information

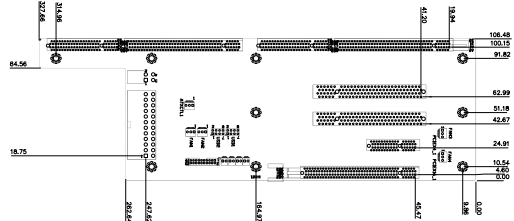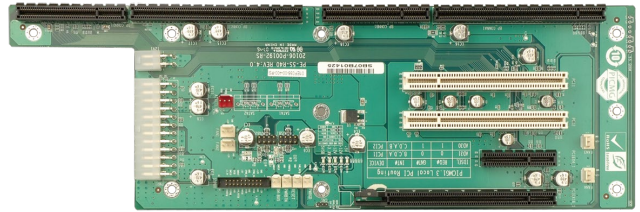|	
PE-3S1-R10	5-slot PICMG 1.3 backplane with one PCIe x16 slot and one PCIe x4 Slot, RoHS (PCIe Gen 3.0)
RACK-500AI	5U 5-slot full-size rackmount chassis

PE-4S-R40

Mounting holes compatible with PCI-4S

Ordering Information

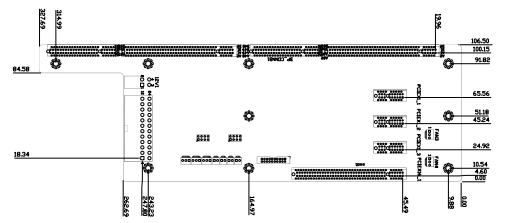|	
PE-4S-R40	4-slot backplane with one PCIe x16 slot, one PCIe x4 slot and one PCI slot

PE-5S-R40

Mounting holes compatible with PCI-5S

Ordering Information

PE-5S-R40	5-slot backplane with one PCIe x16 slot, one PCIe x4 slot and two PCI slots (PCIe Gen 2.0)
RACK-500G	5U 5-slot full-size rack-mount chassis

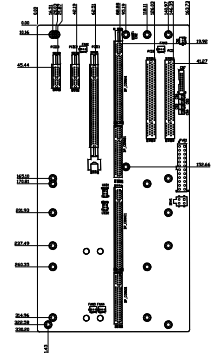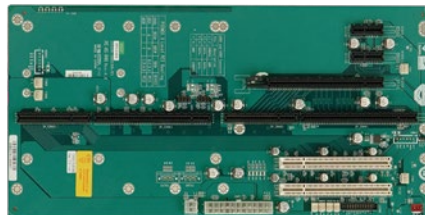## PE-5S2-R40

Mounting holes compatible with PCI-5S

Ordering Information

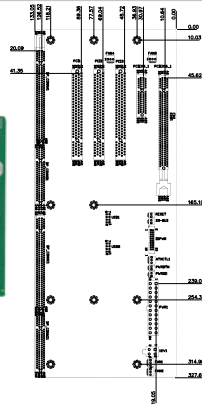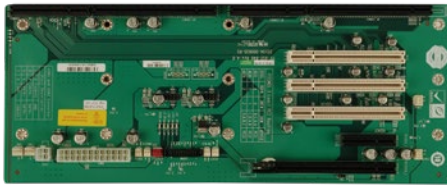|	
PE-5S2-R40	5-slot backplane with one PCIe x16 slot and three PCIe x1 slots(PCIe Gen 2.0)
RACK-500G	5U 5-slot full-size rack-mount chassis

PE-6S-R41

Mounting holes compatible with PCI-7S

Ordering Information

PE-6S-R41	6-slot backplane with one PCIe x16 slot, two PCIe x1 slots and two PCI slots (PCIe Gen 2.0)
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis
RACK-3000G	4U 14-slot full-size rack-mount chassis
PAC-1700G	7-slot full-size compact chassis
PAC-125G	10-slot full-size compact chassis

PE-6S2-R40
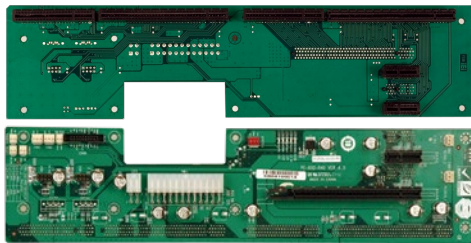**Mounting holes compatible with PCI-6S**

Ordering Information

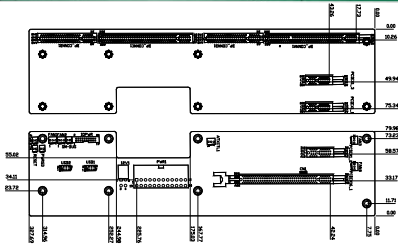|	
PE-6S2-R40	6-slot backplane with one PCIe x16 slot, one PCIe x4 slot and three PCI slots (PCIe Gen 2.0)
PAC-106G *	6-slot full-size compact chassis
PAC-1000G	6-slot full-size compact chassis

* When using a PCIe x16 add-on card, the length of the card must not exceed 167mm or 6.57 inches.
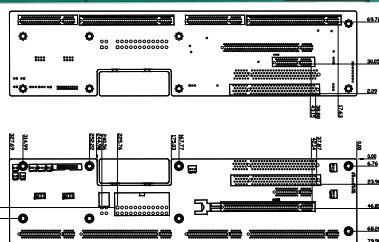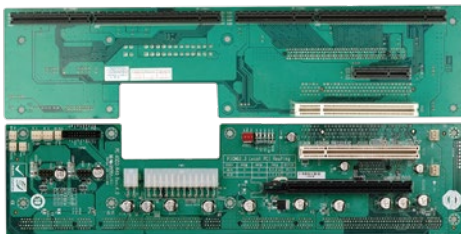
PE-6SD-R40
Mounting holes compatible with PCI-6SD

2U Type

Ordering Information

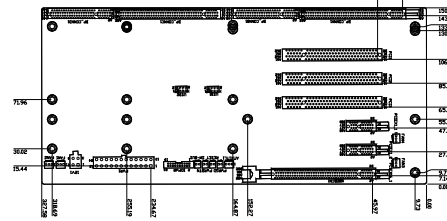|	
PE-6SD-R40	5-slot backplane with one PCIe x16 slot and three PCIe x1 slots (PCIe Gen 2.0)

PE-6SD3-R40
Mounting holes compatible with PCI-6SD

Ordering Information

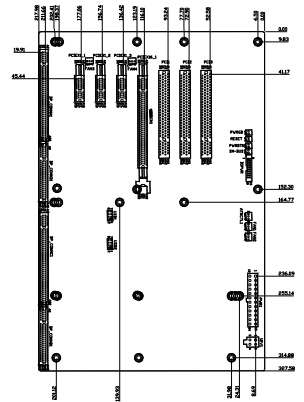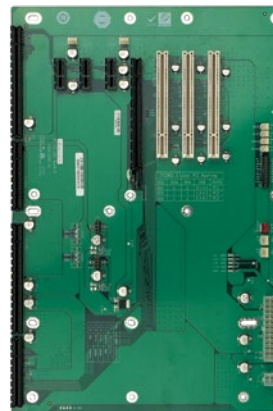|	
PE-6SD3-R40	5-slot backplane with one PCIe x16 slot, one PCIe x4 slot and two PCI slots (PCIe Gen 2.0)

PE-7S-R40
Mounting holes compatible with PCI-7S

Ordering Information

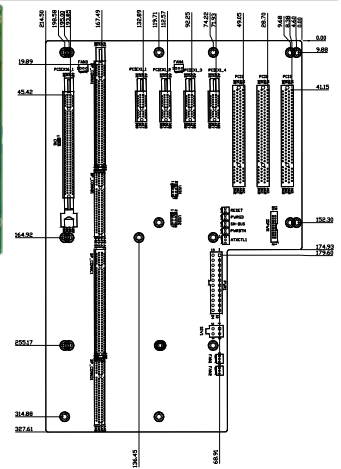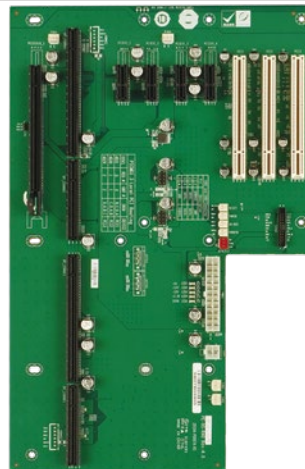|	
PE-7S-R40	7-slot backplane with one PCIe x16 slot, two PCIe x1 slots and three PCI slots (PCIe Gen 2.0)
PAC-1700G	7-slot full-size compact chassis

PE-8S-R40

Ordering Information

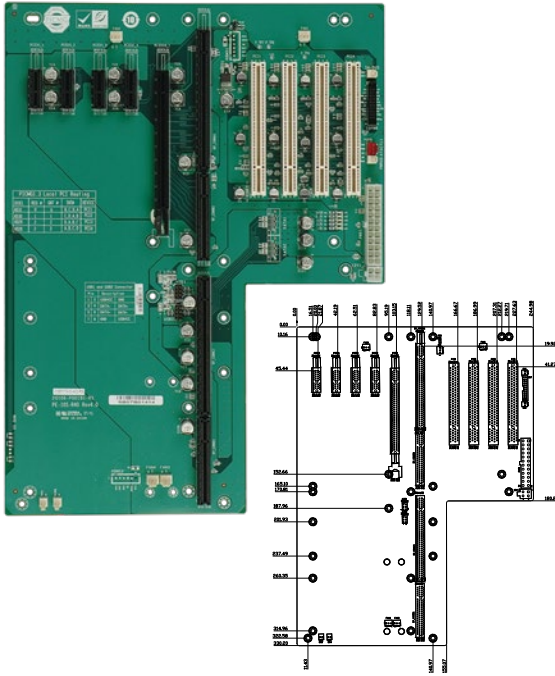|	
PE-8S-R40	8-slot backplane with one PCIe x16 slot, three PCIe x1 slots and three PCI slots (PCIe Gen 2.0)
PAC-125G	10-slot full-size compact chassis

PE-9S-R40
Mounting holes compatible with PCI-10S2

Ordering Information

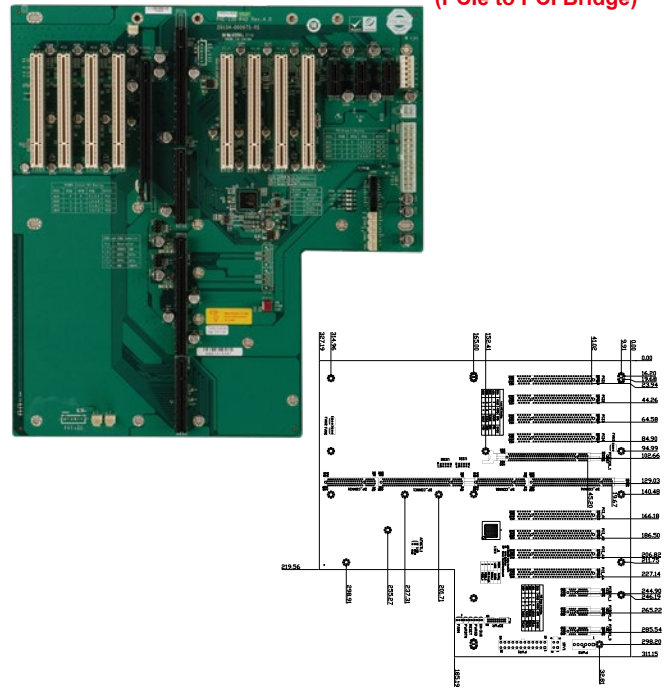|	
PE-9S-R40	9-slot backplane with one PCIe x16 slot, four PCIe x1 slots and three PCI slots (PCIe Gen 2.0)

PE-10S-R40
Mounting holes compatible with PCI-14S

Ordering Information

PE-10S-R40	10-slot backplane with one PCIe x16 slot, four PCIe x1 slots and four PCI slots (PCIe Gen 2.0)
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis
RACK-3000G	4U 14-slot full-size rack-mount chassis

PXE-13S-R51
Mounting holes compatible with PCI-14S

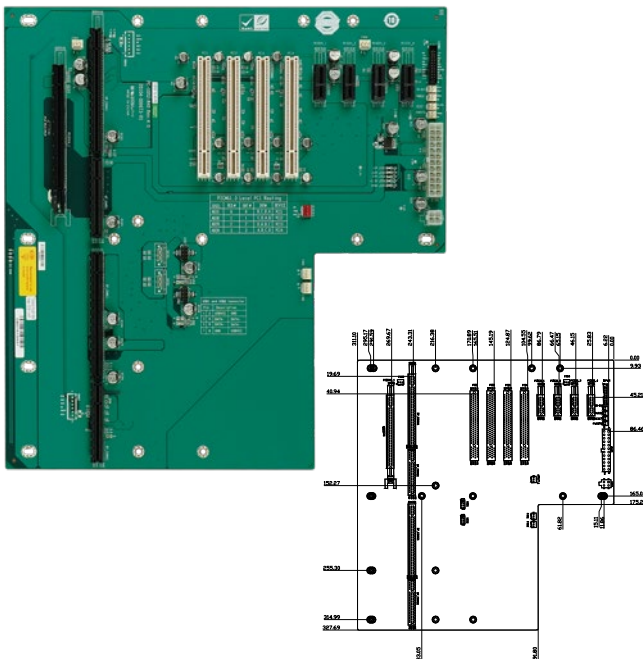**(PCIe to PCI Bridge)**

Ordering Information

PXE-13S-R51	13-slot backplane with one PCIe x16 slot, three PCIe x1 slots and eight PCI slots (PCIe Gen 3.0)
RACK-3000G	4U 14-slot full-size rack-mount chassis
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis

PE-10S2-R40
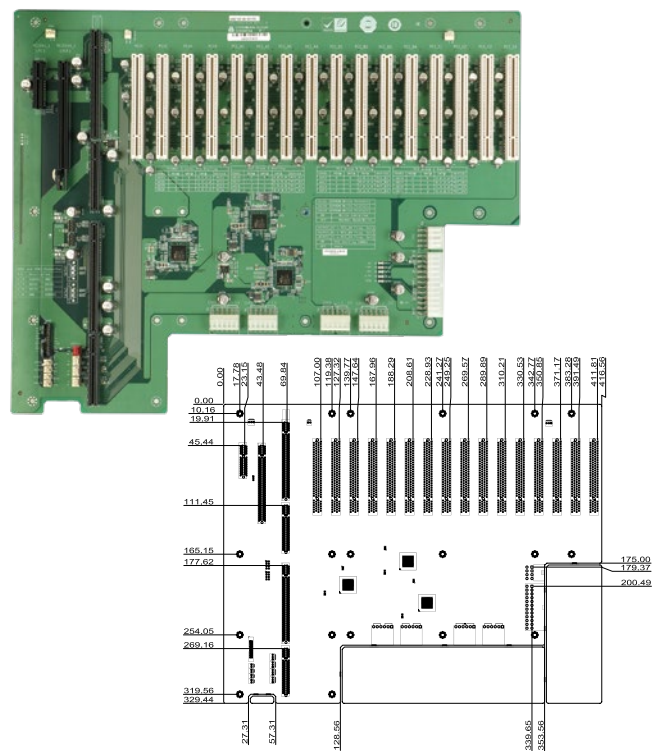**Mounting holes compatible with PCI-14S**

Ordering Information

PE-10S2-R40	10-slot backplane with one PCIe x16 slot, four PCIe x1 slots and four PCI slots (PCIe Gen 2.0)
RACK-3000G	4U 14-slot full-size rack-mount chassis
RACK-305G	4U 14-slot full-size rack-mount chassis
RACK-360G	4U 14-slot full-size rack-mount chassis

PXE-19S2-R10
Mounting holes compatible with PCI-19S

(PCIe to PCI Bridge)

Ordering Information

PXE-19S2-R10	19-slot backplane with one PCIe x16 slot, one PCIe x1 slot and sixteen PCI slots (PCIe Gen 3.0)