

PICMG 1.3 Backplane

Selection Guide

PAC series wall-mount Chassis



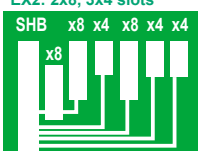

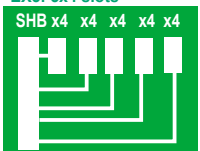

4U Rack-mount Chassis

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+8-pin ATX
Chassis Option		PAC-106G PAC-107G PAC-1000G PACO-506F	PAC-106G PAC-107G PAC-1000G PACO-506F	PAC-125G	PAC-125G	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 that 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

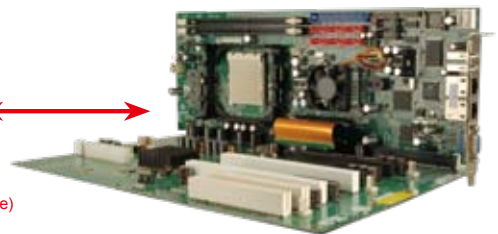
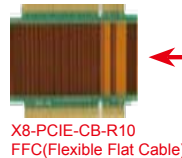
Example	Corresponding Model
EX1: 2x8 & 1x4 slots 	SPE-4S 
EX2: 2x8, 3x4 slots 	SPE-9S SPXE-9S 
EX3: 5x4 slots 	SPE-6S 



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

IEI SPE / SPXE series backplanes
 SPE-4S
 SPE-6S
 SPE-9S
 SPXE-9S
 SPXE-14S



PCIe Slots Available (Non-switch)	SPCIE-3600AM2						
	Type	A	B	C	D	E	F
	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
SPXE-9S	9	-	1+1 (x16 connector)	2	-	2	2	24+4-pin ATX	PAC-125G
SPXE-14S	14	-	1 (x16 connector)	-	12	-	-	24+4-pin ATX	RACK-305G, RACK-360G, RACK-814G, RACK-3000G