

# PICMG1.3 Full-Size SHB Backplanes



## Server Grade: Compatible with PCE-7xxx series CPU board

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Yes: Supported/-: Not supported

Model Name	PCIe				PCI-X			PCI	Rackmount Chassis				
	x16	x8	x4	x1	64/66	64/100	64/133	32/33	ACP-2000EBP	IPC-602EBP	IPC-510	IPC-610-L	IPC-610-H
PCE-7B06V-04A1E	-	1	-	-	-	-	-	4	Yes	Yes	-	-	-
PCE-7B06V-30A1E	-	2	-	-	-	2	1	-	Yes	Yes	-	-	-
PCE-7B05-20A1E	-	2	-	-	-	-	2	-	-	-	-	-	-
PCE-7B06-04A1E	-	1	-	-	-	-	-	4	-	-	-	-	-
PCE-7B06-40A1E	-	1	-	-	-	4	-	-	-	-	-	-	-
PCE-7B08-04A1E	-	2	1	-	-	-	-	4	-	-	-	-	-
PCE-7B13-64B1E	-	2	-	-	4	2	-	4	-	-	-	Yes	Yes
PCE-7B13-07A1E	-	2	3	-	-	-	-	7	-	-	-	Yes	Yes
PCE-7B10-04A1E	-	-	5	-	-	-	-	4	-	-	-	Yes	Yes
PCE-7B13D-04A1E	-	1, 2	-	-	-	-	-	4	-	-	-	-	-
PCE-7B19-88A1E	-	2	-	-	8	-	-	8	-	-	-	-	-
PCE-7B16Q-02A1E	-	1	-	-	-	-	-	2	-	-	-	-	-

Model Name	Rackmount Chassis										Wallmount/Desktop Chassis					
	IPC-610-F	IPC-611	IPC-630	ACP-4000	ACP-4010	ACP-4320	ACP-4362/4360	IPC-623	ACP-5260	IPC-622	ACP-7000	IPC-6025	IPC-6606	IPC-6806	IPC-6608	IPC-6908
PCE-7B06V-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-7B06V-30A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-7B05-20A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-	-
PCE-7B06-04A1E	-	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-7B06-40A1E	-	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-7B08-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes
PCE-7B13-64B1E	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-7B13-07A1E	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-7B10-04A1E	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-7B13D-04A1E	-	-	-	-	Yes	-	-	-	-	-	-	-	-	-	-	-
PCE-7B19-88A1E	-	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-
PCE-7B16Q-02A1E	-	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-

## Desktop: Compatible with PCE-5xxx series CPU board

Yes: Supported/-: Not supported

Model Name	PCIe				PCI-X			PCI	Rackmount Chassis				
	x16	x8	x4	x1	64/66	64/100	64/133	32/33	ACP-1320	ACP-2000EBP	IPC-602EBP	IPC-510	IPC-610
PCE-5B03V-01A1E	1	-	-	-	-	-	-	1	Yes	-	-	-	-
PCE-5B03V-00A1E	1	-	1	-	-	-	-	-	Yes	-	-	-	-
PCE-5B06V-04A1E	1	-	-	-	-	-	-	4	-	Yes	Yes	-	-
PCE-5B05V-30A1E	1	-	-	-	-	2	1	-	-	Yes	Yes	-	-
PCE-5B06V-00A1E	1	-	-	4	-	-	-	-	-	Yes	Yes	-	-
PCE-5B05-02A1E	1	-	1	-	-	-	-	2	-	-	-	-	-
PCE-5B04-20A1E	1	-	-	-	-	-	2	-	-	-	-	-	-
PCE-5B06-04A1E	1	-	-	-	-	-	-	4	-	-	-	-	-
PCE-5B06-00A1E	1	-	-	4	-	-	-	-	-	-	-	-	-
PCE-5B06-40A1E	1	-	-	-	-	4	-	-	-	-	-	-	-
PCE-5B07-04A1E	1	-	1	-	-	-	-	4	-	-	-	-	-
PCE-5B08-02A1E	1	-	-	4	-	-	-	2	-	-	-	-	-
PCE-5B12-64B1E	1	-	-	-	4	2	-	4	-	-	-	-	Yes
PCE-5B12-07A1E	1	-	3	-	-	-	-	7	-	-	-	-	Yes
PCE-5B13-08A1E	1	-	-	3	-	-	-	8	-	-	-	-	Yes
PCE-5B10-04A1E	1	-	-	4	-	-	-	4	-	-	-	-	Yes
PCE-5B12D-04A1E	1	-	-	-	-	-	-	4	-	-	-	-	-
PCE-5B18-88A1E	1	-	-	-	8	-	-	8	-	-	-	-	-
PCE-5B16Q-02A1E	1	-	-	-	-	-	-	2	-	-	-	-	-

Model Name	Rackmount Chassis										Wallmount/Desktop Chassis				
	IPC-611	IPC-630	ACP-4000	ACP-4010	ACP-4320	ACP-4362/4360	IPC-623	ACP-5260	IPC-622	ACP-7000	IPC-6025	IPC-6606	IPC-6806	IPC-6608	IPC-6908
PCE-5B03V-01A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B03V-00A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B06V-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B05V-30A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B06V-00A1E	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCE-5B05-02A1E	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-	-
PCE-5B04-20A1E	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-	-
PCE-5B06-04A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-5B06-00A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-5B06-40A1E	-	-	-	-	-	-	-	-	-	-	Yes	-	-	-	-
PCE-5B07-04A1E	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	-
PCE-5B08-02A1E	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	-
PCE-5B12-64B1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B12-07A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B13-08A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B10-04A1E	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-
PCE-5B12D-04A1E	-	-	-	Yes	-	-	-	-	-	-	-	-	-	-	-
PCE-5B18-88A1E	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-
PCE-5B16Q-02A1E	-	-	-	-	-	-	Yes	Yes	-	Yes	-	-	-	-	-

# PCI/ISA Backplanes



## Selection Guide

Yes: supported/- : not supported/Δ : optional

Category	Model Name	Slot per segment					Segment	AT	ATX	1U Chassis		2U Chassis		4U Chassis	
		ISA	PCI	PICMG	PICMG/PCI	ISA/PCI				ACP-1010	ACP-1320	ACP-2000	IPC-602	ACP-4362/ACP-4360	ACP-4320
										2-slot	2-slot	6-slot	6-slot	15-slot	15-slot
1U Butterfly BP	PCA-6103P2V-0A2E**	-	2	1	-	-	1	-	Yes	Yes	Yes	-	-	-	-
2U Butterfly BP	PCA-6105P4V-0B3E**	-	4	1	-	-	1	-	Yes	-	-	Yes	Yes	-	-
	PCA-6106P3V-0B2E**	1	3	2	-	-	1	Yes	Yes	-	-	Yes	Yes	-	-
5 Slot BP	PCA-6105P3-5A1E	1	2	1	-	-	1	-	Yes	-	-	-	-	-	-
6/8 Slot BP	PCA-6106P4-0A2E	-	4	2	-	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6106P3-0D2E	2	2	1	1	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6106-0B2E	6	-	-	-	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6108E-0C2E	8	-	-	-	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6108P6-0B4E	1	5	1	1	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6108P4-0C2E	3	3	1	1	-	1	Yes	Yes	-	-	-	-	-	-
14/15 Slot BP	PCA-6108-0B2E	8	-	-	-	-	1	Yes	Yes	-	-	-	-	-	-
	PCA-6114P12-0B3E	1	11	1	1	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114P10-0B2E	2	10	2	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114P7-0D3E	4	6	3	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114P4-0C2E	8	4	2	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6113P4R-0C2E	7	4	2	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6114-0B2E	14	-	-	-	-	1	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6115-0B2E	15	-	-	-	-	1	Yes	Yes	-	-	-	-	-	-
20 Slot BP	PCA-6113DP4-0A2E	1	3,4	1,2	1,0	-	2	Yes	Yes	-	-	-	-	-	-
	PCA-6119P17-0B2E	-	16	1	1	-	1	Yes	Δ	-	-	-	-	-	-
	PCA-6120P18-0A2E	1	17	1	1	-	1	Yes	Δ	-	-	-	-	-	-
	PCA-6116QP2-0B2E	1,0	2	1,2	-	-	4	Yes	Δ	-	-	-	-	-	-
	PCA-6120P4-0B2E	14	4	2	-	-	1	Yes	Δ	-	-	-	-	-	-
	PCA-6120P12-0A2E	7	11	1	1	-	1	Yes	Δ	-	-	-	-	-	-
	PCA-6119P7-0B3E	10	7	2	-	-	1	Yes	Δ	-	-	-	-	-	-
	PCA-6120DP4-0B2E	3,4	3	2	1	-	2	Yes	Δ	-	-	-	-	-	-
PCA-6120Q-0B2E	5	-	-	-	-	4	Yes	Δ	-	-	-	-	-	-	

Category	Model Name	4U Chassis						5U Chassis	6U Chassis	7U Chassis	Wallmount/Desktop Chassis						Cage
		ACP-4010	ACP-4000	IPC-630	IPC-610	IPC-611	IPC-623	ACP-5260	IPC-622	ACP-7000	8-slot	8-slot	6-slot	6-slot	5-slot	6-slot	
		15-slot	15-slot	15-slot	15-slot	15-slot	20-slot	20-slot	20-slot	20-slot	IPC-6908	IPC-6608	IPC-6606	IPC-6806	IPC-6025	IPC-6006	
1U Butterfly BP	PCA-6103P2V-0A2E**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2U Butterfly BP	PCA-6105P4V-0B3E**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	PCA-6106P3V-0B2E**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5 Slot BP	PCA-6105P3-5A1E	-	-	-	-	-	-	-	-	-	-	-	-	Yes	-		
6/8 Slot BP	PCA-6106P4-0A2E	-	-	-	-	-	-	-	-	-	-	Yes	Yes	-	Yes		
	PCA-6106P3-0D2E	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes	-	Yes		
	PCA-6106-0B2E	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes	-	Yes		
	PCA-6108E-0C2E	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-	-		
	PCA-6108P6-0B4E	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-	-		
	PCA-6108P4-0C2E	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-	-		
14/15 Slot BP	PCA-6108-0B2E	-	-	-	-	-	-	-	-	Yes	Yes	-	-	-	-		
	PCA-6114P12-0B3E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-		
	PCA-6114P10-0B2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-		
	PCA-6114P7-0D3E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-		
	PCA-6114P4-0C2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-		
	PCA-6113P4R-0C2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-		
	PCA-6114-0B2E	Yes	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-		
	PCA-6115-0B2E	-	-	-	-	Yes	-	-	-	-	-	-	-	-	-		
20 Slot BP	PCA-6113DP4-0A2E	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-		
	PCA-6119P17-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-		
	PCA-6120P18-0A2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-		
	PCA-6116QP2-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-		
	PCA-6120P4-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-		
	PCA-6120P12-0A2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-		
	PCA-6119P7-0B3E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-		
	PCA-6120DP4-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-		
PCA-6120Q-0B2E	-	-	-	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-			

Remark

- 1, \*\* : only sold with Advantech's 1U/2U chassis
- 2. IPC-622, IPC-623, ACP-7000 provides four reset buttons and four KB connectors. For more information regarding chassis, please refer to chapter 4.

- Computer On Modules 1
- Embedded Single Board Computers 2
- Industrial Motherboards 3
- Slot Single Board Computers 4
- Box IPCs 5
- Pre-Configured Systems 6
- Industrial Computer Chassis 7
- Embedded Core Services 8
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- Panel PCs 10
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- Vehicle Mounted Computers 12
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- Mobile Data Terminal 14
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- LCD Services 17

# Backplanes Compatible with Half-Size SBCs



## Selection Guide

Yes : support / - : no support / Δ : reserved

Category	Model Name	Slots per segment						Segment
		ISA	PCI	PClex16	PClex4	PClex1	PICMG	
Pure ISA backplane	PCA-6104-0C2E	3	-	-	-	-	1	1
	PCA-6106-0B2E	5	-	-	-	-	1	1
	PCA-6108-0B2E	7	-	-	-	-	1	1
	PCA-6108E-0C2E	7	-	-	-	-	1	1
Pure PCI backplane	PCA-6104P4-0B2E	-	3	-	-	-	1	1
	PCA-6105P5-0B2E	-	4	-	-	-	1	1
	PCA-6108P8-0A1E	-	7	-	-	-	1	1
	PCA-6110P10-0A1E **	-	9	-	-	-	1	1
PICMG1.3 half-size backplanes	PCE-3B04-00A1E	-	-	1	-	1	1	1
	PCE-3B04-03A1E	-	3	-	-	-	1	1
	PCE-3B03-00A1E	-	-	1	1	-	1	1
	PCE-3B06-00A1E	-	-	1	-	4	1	1
	PCE-3B06-03A1E	-	3	1	-	1	1	1

Category	Model Name	AT	ATX	IPC-6908	IPC-6608	IPC-6606	IPC-6806S*	IPC-644*	MBPC-641
				Wallmount	Wallmount	Wallmount	Wallmount	Wallmount	Wallmount
				8-slot	8-slot	6-slot	6-slot	4-slot	4-slot
Pure ISA backplane	PCA-6104-0C2E	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6106-0B2E	Yes	Yes	-	-	Yes	Yes	-	-
	PCA-6108-0B2E	Yes	Δ	Yes	Yes	-	-	-	-
Pure PCI backplane	PCA-6108E-0C2E	Yes	Yes	Yes	Yes	-	-	-	-
	PCA-6104P4-0B2E	Yes	Yes	-	-	-	-	Yes	Yes
	PCA-6105P5-0B2E	Yes	Yes	-	-	Yes	Yes	-	-
	PCA-6108P8-0A1E	Yes	Yes	Yes	Yes	-	-	-	-
PICMG1.3 half-size backplanes	PCA-6110P10-0A1E **	-	Yes	-	-	-	-	-	-
	PCE-3B04-00A1E	-	Yes	-	-	-	-	Yes	Yes
	PCE-3B04-03A1E	-	Yes	-	-	-	-	Yes	Yes
	PCE-3B03-00A1E	-	Yes	-	-	Yes	Yes	-	-
	PCE-3B06-00A1E	-	Yes	-	-	Yes	Yes	-	-
PCE-3B06-03A1E	-	Yes	-	-	Yes	Yes	-	-	

\* Only for half-size CPU card

\*\* No suitable Advantech Chassis