

6U CompactPCI® Backplanes

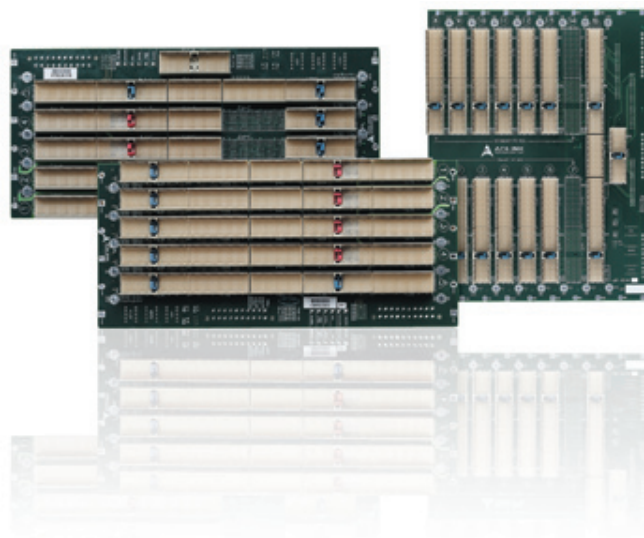
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Standard and Custom Backplanes

ADLINK offers a wide selection of standard backplanes from single up to 20 slots. Furthermore, our professional OEM team is capable of creating custom backplanes with quick turnaround tailored to your specifications. We make designing, developing, prototyping, and maintaining your projects simple & efficient. For all your backplane needs, contact us. We have a solution for you.



cBP-6402, 6402R

2-slot 64-bit 6U CompactPCI® Backplanes



cBP-6402 Front View



cBP-6402 Rear View



cBP-6402R Front View



cBP-6402R Rear View

Ordering Information

Model Number	Description/Configuration
cBP-6402	2-slot 64-bit 6U cPCI Backplane
cBP-6402R	2-slot 64-bit 6U cPCI Backplane with Rear I/O

Note: All models above do not include any system or peripheral board.

Specifications

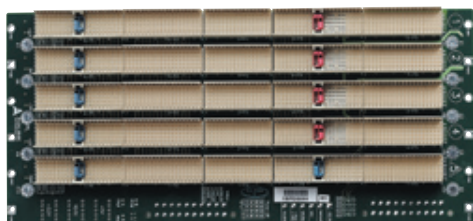
Model Name	cBP-6402	cBP-6402R
PICMG®	2.0 R3.0, 2.1 R2.0	2.0 R3.0, 2.1 R2.0, 2.5 R1.0
Dimensions	309.6 x 39.64 (mm, W x H)	321.5 x 39.64 (mm, W x H)
Segments	One	
cPCI Bus	Up to 64-bit/66 MHz	
System Slot	Left-hand side (soldered side)	
System Slot Rear I/O	No rear I/O	P3, P4 and P5 rear I/O with AB-type shroud
Peripheral Slot	One	
Peripheral Slot Rear I/O	No rear I/O	P3 and P5 rear I/O with AB-type shroud
V (I/O)	3.3 V or 5 V selectable, factory default is 5 V	
Power Input	ATX connector	
System Slot Legacy I/O	KB, MS, COM1, FDD, IDE1, Speaker (pin compatible with cPCI-6780 and cPCI-6841)	None
Other Connectors	Five Fans, PS_ON, Reset, PWR_LED	Six Fans, PS_ON, Reset, PWR_LED
Chassis or Sub-systems	cPCIS-6125	cPCIS-6130R
Recommended System Board	cPCI-6780V/VS, cPCI-6841	cPCI-6780, 6811AA, 6820, 6860A series, 6840, 6841, 6910 (Host Slot)

cBP-6105R, 6405R

5-slot 32/64-bit 6U CompactPCI® H.110 Bus Backplanes



cBP-6105R



cBP-6405R

Ordering Information

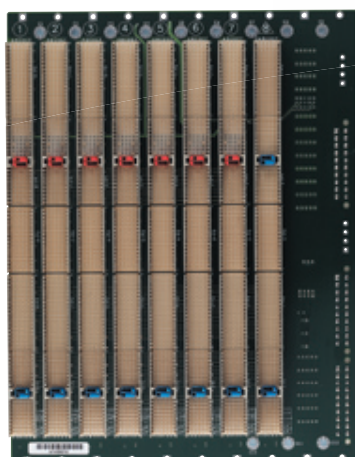
Model Number	Description/Configuration
cBP-6105R	5-slot 32-bit 6U cPCI H.110 Bus Backplane
cBP-6405R	5-slot 64-bit 6U cPCI H.110 Bus Backplane

Specifications

Model Name	cBP-6105R	cBP-6405R
PICMG®	2.0 R3.0, 2.1 R2.0, 2.5 R1.0	
Dimensions	120.9 x 262.05 (mm, W x H, vertical insertion view)	
Segments	One	
cPCI Bus	32-bit/33 MHz	Up to 64-bit/66 MHz
System Slot	Right-hand side (upper side for board's horizontal insertion)	
System Slot Rear I/O	P3, P4 and P5 rear I/O with AB-type shroud	
Peripheral Slot	Four	
Peripheral Slot Rear I/O	P3 and P5 rear I/O with AB-type shroud	
H.110 Bus	Comply with PICMG® 2.5, for all peripheral slots	
V (I/O)	3.3 V or 5 V selectable, factory default is 5 V	
Power Connectors	One ATX connecto DC screw terminal	Two ATX connector DC screw terminals
System Slot Legacy I/O	FDD, IDE1 and IDE2 (pin compatible with cPCI-6780 and cPCI-6841)	None
Utility Board Slot	Yes	None
Other Connectors	INH#, Reset, PWR_FAL#, Voltage LEDs, H.110 Power Pairs (VRG, Vbat)	
Chassis or Sub-systems	cPCIS-6400X/32, cPCIS-6400U/32 series	cPCIS-6400X, cPCIS-6400U series
Recommended System Board	cPCI-6780V/VS, cPCI-6841	cPCI-6780V/VS, 6811AA, 6820, 6860A, 6840, 6841, 6910 (Host Slot)

cBP-6108R, 6408R

8-slot 32/64-bit 6U CompactPCI® Backplanes



cBP-6408R

Ordering Information

Model Number	Description/Configuration
cBP-6108R	8-slot 32-bit 6U cPCI H.110 Bus Backplane with Rear I/O
cBP-6408R	8-slot 64-bit 6U cPCI H.110 Bus Backplane with Rear I/O

Specifications

Model Name	cBP-6108R	cBP-6408R
PICMG®	2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.9 R1.0*	
Dimensions	202.5 x 262.05 (mm, W x H, vertical insertion view)	
Segments	One	
cPCI Bus	32-bit/33 MHz	Up to 64-bit/66 MHz
System Slot	Right-hand side	
System Slot Rear I/O	P3, P4 and P5 rear I/O with AB-type shroud	
Peripheral Slot	Seven	
Peripheral Slot Rear I/O	P3 and P5 rear I/O with AB-type shroud	
H.110 Bus	Comply with PICMG® 2.5, for all peripheral slots	
V (I/O)	3.3 V or 5 V selectable, factory default is 5 V	
Power Connectors	Three ATX connectors DC screw terminals	
System Slot Legacy I/O	FDD, IDE1 and IDE2 (pin compatible with cPCI-6780 and cPCI-6841)	None
Utility Board Slot	Yes (pin compatible with cPCI-6760D)	None
Other Connectors	INH#, Reset, PWR_FAL#, Voltage LEDs, H.110 Power Pairs (VRG, Vbat), PICMG 2.9 IPMB*	
Chassis or Sub-systems	cPCIS-3120, 3330 series	cPCIS-3140, 3330/64 series
Recommended System Board	cPCI-6780V/VS, 6841	cPCI-6780V/VS, 6811AA, 6820, 6860A, 6840, 6841, 6910 (Host Slot)

cBP-6415U

5-slot 64-bit 6U CompactPCI® backplanes



Front View



Rear View

Ordering Information

Model Number	Description/Configuration
cBP-6415U	5-slot 64-bit 6U cPCI Backplane
cBP-6415U/N110	5-slot 64-bit 6U cPCI Backplane without H.110

Specifications

Model Name	cBP-6415U
PICMG®	PICMG® 2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.11 R1.0
Dimensions	120.92 x 394.85 (mm, W x H)
Segments	One
cPCI Bus	Up to 64-bit/66 MHz
System Slot	Right-hand side (top side for board's horizontal insertion)
System Slot Rear I/O	P3, P4, and P5 rear I/O with AB-type shroud
Peripheral Slot	Four
Peripheral Slot Rear I/O	P3, P4 and P5 rear I/O with AB-type shroud
H.110 Bus	Comply with PICMG® 2.5, for all peripheral slots
V (I/O)	3.3 V or 5 V selectable, default 5 V
Power Input	Two ATX connectors One DC Screw terminal
Other Connectors	INH#, Reset, PWR_FAL#, PWR_LED
Chassis or Sub-systems	cPCIS-6400U
Recommended System Board	cPCI-6860A, cPCI-6840, cPCI-6811AA, cPCI-6820, cPCI-6910 (Host Slot)

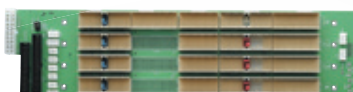
Note. Host only for cBP-6415U

cBP-6403R, cBP-6103R, cBP-6104R

3/4-slot 32/64-bit 6U CompactPCI® backplanes



cBP-6103R



cBP-6104R



cBP-6403R Front View



cBP-6403R Rear View

Ordering Information

Model Number	Description/Configuration
cBP-6103R	3-slot 32-bit 6U cPCI Backplane
cBP-6104R	4-slot 32-bit 6U cPCI Backplane
cBP-6403R	3-slot 64-bit 6U cPCI Backplane
cBP-6403R/N110	3-slot 64-bit 6U cPCI Backplane w/o H.110

Specifications

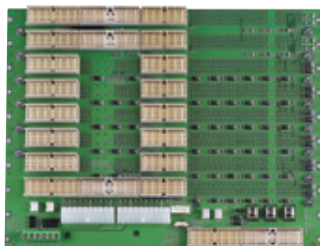
Model Name	cBP-6103R	cBP-6104R	cBP-6403R	cBP-6403R/N110
PICMG®	2.0 R3.0, 2.1 R2.0, 2.5 R1.0			
Dimensions (mm, W x H)	279.2 x 81	330.55 x 83.3	279.2 x 81	
Segments	One			
cPCI Bus	Up to 32-bit/33 MHz		Up to 64-bit/66 MHz	
System Slot	Top side for board's horizontal insertion			
System Slot Rear I/O	P3, P4, and P5 rear I/O with AB-type shroud			
Peripheral Slot	Two	Three	Two	
Peripheral Slot Rear I/O	P3 and P5 rear I/O with AB-type shroud			P3, P4 and P5 rear I/O with AB-type shroud
H.110 Bus	Comply with PICMG 2.5, for all peripheral slots			None
V (I/O)	3.3 V or 5 V selectable, default 5 V			
Power Connectors	One ATX connector			
System Slot legacy I/O	FDD, IDE1 (pin compatible with cPCI-6780 and cPCI-6841)			None
Other Connectors	INH#, Reset, PWR_FAL#, Voltage LEDs			
Chassis or Sub-systems	cPCIS-6230R	cPCIS-6240R	cPCIS-6230R/64	cPCIS-6230R/64/N110
Recommended System Board	cPCI-6780V/VS/TS, 6841	cPCI-6780V/VS/TS, 6841J3	cPCI-6811AA, cPCI-6820, cPCI-6840, cPCI-6860, 6841	

cBP-6609A

8-slot 64-bit 6U CompactPCI® H.110 & PICMG® 2.16 Backplane



cBP-6609A Front View



cBP-6609A Rear View

Specifications

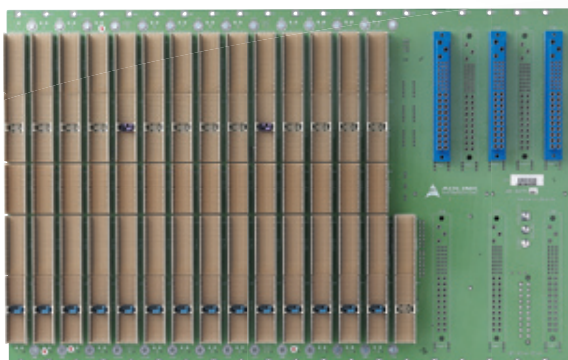
Model Name	cBP-6609A
PICMG®	2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.16, 2.9 R1.0
Dimensions	225 x 262.05 (mm, W x H)
Segments	One
cPCI Bus	Up to 64-bit/66 MHz
System Slot	Right-Hand side
System Slot Rear I/O	P3, P4, & P5
Peripheral Slot	Five
Peripheral Slot Rear I/O	P4 & P5
H.110 Bus	Comply with PICMG 2.5 for all peripheral slots (P4)
V (I/O)	3.3 V or 5 V selectable, factor default is 5 V
Power Connectors	Two ATX, DC screw terminals
Chassis or Sub-system	cPSB-880
Recommended System Board	cPCI-6860A, 6840, 6820, 6811AA, 6910 (Host Slot)

Ordering Information

Model Number	Description/Configuration
cBP-6609A	8-slot 64-bit 6U cPCI H.110 & 2.16 Bus Backplane

cBP-6614A

14-slot PICMG® 2.16 6U CompactPCI® Blade Server Backplane



Specifications

Model Name	cBP-6614A
PICMG®	2.0 R3.0, 2.1 R2.0, 2.9 R1.0, 2.11 R1.0, 2.16 R1.0
Dimensions	420.6 x 262.05 (mm, W x H)
2.16 Node Slot	12
2.16 Fabric Slot	Two
cPCI Bus	None
System Slot	All node slots act as stand-alone system slots
Slot Rear I/O	P3, P4 and P5 rear I/O with AB-type shroud
Peripheral Slot	None
CMM Slot	One
Power Socket	3 for 6U 8HP redundant power module
H.110 Bus	None
V (I/O)	3.3 V or 5 V selectable, factory default is 5 V
Power Connectors	AC/DC input, One ATX connector, DC screw terminals
Other Connectors	INH#, FAL#, DEG#, Voltage LEDs, Reset, PICMG® 2.9 IPMB
Chassis or Sub-systems	cPCIS-3300BLS series
Recommended System Board	cPCI-6860A, 6820, 6811AA, 6840, 6910

Ordering Information

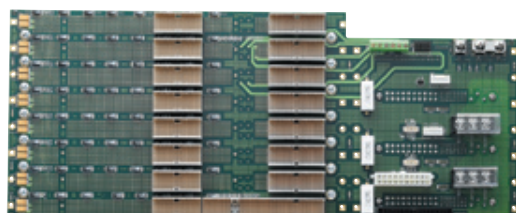
Model Number	Description/Configuration
cBP-6614A	14-slot PICMG® 2.16 6U cPCI Blade Server Backplane

cBP-6418U

8-slot 64-bit 6U CompactPCI® backplanes



Front View



Rear View

Ordering Information

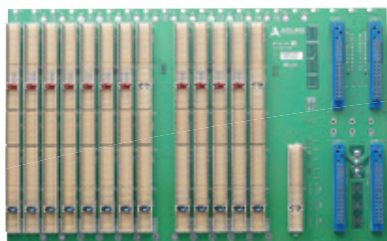
Model Number	Description/Configuration
cBP-6418U	8-slot 64-bit 6U cPCI Backplane

Specifications

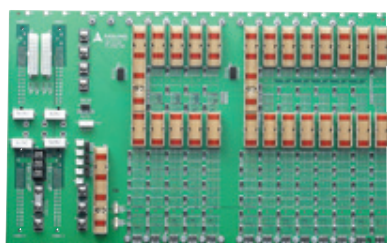
Model Name	cBP-6418U
PICMG®	2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.11 R1.0
Dimensions	395 x 162 (mm, W x H)
Segments	One
cPCI Bus	Up to 64-bit/66 MHz
System Slot	Right-hand side (top side for board's horizontal insertion)
System Slot Rear I/O	P3, P4, and P5 rear I/O with AB-type shroud
Peripheral Slot	Seven
Peripheral Slot Rear I/O	P3 and P5 rear I/O with AB-type shroud
H.110 Bus	Comply with PICMG® 2.5, for all peripheral slots
V (I/O)	3.3 V or 5 V selectable, default 5 V
Power Input	One ATX connector, Two DC Screw terminals
Other Connectors	INH#, Reset, PWR_FAL#, Voltage LEDs
Chassis or Sub-systems	cPCIS-6418U
Recommended System Board	cPCI-6860A, cPCI-6840, cPCI-6820, 6910 (Host Slot)

cBP-6413DR

13-slot 64-bit 6U CompactPCI® backplanes



Front View



Rear View

Ordering Information

Model Number	Description/Configuration
cBP-6413DR	13-slot 64-bit 6U cPCI Backplane

Specifications

Model Name	cBP-6413DR
PICMG®	2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.9 R1.0, 2.11 R1.0
Dimensions	415.56 x 262.05 (mm, W x H)
Segments	Two
cPCI Bus	Up to 64-bit/66 MHz
System Slot	Right-hand side
System Slot Rear I/O	P3, P4, and P5 rear I/O with AB-type shroud
Peripheral Slot	Seven
Peripheral Slot Rear I/O	P3 and P5 rear I/O with AB-type shroud
H.110 Bus	Bus Comply with PICMG® 2.5, for all peripheral slots
V (I/O)	3.3 V or 5 V selectable, default 5 V
Power Input	Two ATX connectors, one DC Screw terminal
CMM Slot	1
Other Connectors	INH#, Reset, PWR_FAL#, Voltage LEDs
Chassis or Sub-systems	cPCIS-3320
Recommended System Board	cPCI-6860A, cPCI-6840, cPCI-6811AA, cPCI-6820