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RIO-3309/3310

6U CompactPCI® Rear Transition Boards

Introduction

The RIO series of rear transition boards provide rear-panel access to the I/O interfaces of Advantech's CompactPCI CPU boards.

RIO-3309C/3309S is designed for the MIC-3358A and MIC-3369C series.

RIO-3310S/3310A is designed for the MIC-3390 and MIC-3392 series.

Features

- External rear-panel interface connectors for CPU boards
- Onboard CompactFlash socket
- Ultra 320 SCSI interface
- Supports SATA interface

Specifications

CompactPCI Connector	RIO-3309C: J3, J5; RIO-3309S: J1/J2/J3/J5; RIO-3310S: J1/J2/J3/J5; RIO-3310A: J3/J5			
SCSI Controller	RIO-3309S: Adaptec AIC-7901 Ultra 320 SCSI controller chip supports RAID 0, 1, 10 RIO-3310S: Adaptec AIC-7901 Ultra 320 SCSI control chip supports RAID 0, 1, 10			
Power	Power Consumption	+3.3 V	+5 V	+12 V
		3 A	2 A	1 A
Environment		Operating		Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F)		-20 ~ 80° C (-4 ~ 176° F)
	Humidity	-		5 ~ 95%, non-condensing
Physical Characteristics	Dimensions (W x D)	233.35 x 80 mm (9.2" x 1.5"), 1-slot width		
	Weight	0.4 kg (0.88 lb)		



RIO-3309C-AE



RIO-3309S-A1E



RIO-3309S-A2E



RIO-3310S series

I/O Interfaces

I/O	Connector				Interface Location			
	RIO-3309C	RIO-3309S	RIO-3310S	RIO-3310A	RIO-3309C	RIO-3309S	RIO-3310S	RIO-3310A
Keyboard	J5	J5	J5	J5	Rear panel	Rear panel	Rear panel	Rear panel
Mouse	J5	J5	J5	J5	Rear panel	Rear panel	Rear panel	Rear panel
COM1	J5	J5	J5	J5	Internal	Internal	Rear panel	Rear panel
FDD	J3	J3	J3	J5	Internal	Internal	Internal	Internal
IDE	J3	J3	J3/J5	J3/J5	Internal	Internal	Internal	Internal
FE LAN	-	J5	J5	J5	-	Rear panel (optional)	Rear panel (optional)	Rear panel (optional)
GbE LAN	J5	J5	J5	J5	Rear panel	Rear panel	Rear panel	Rear panel
USB	J5	J5	J5	J5	Rear panel/ Internal	Rear panel	Rear panel	Rear panel
VGA	J5	J5	J5	J5	Rear panel	Rear panel	Rear panel	Rear panel
COM2	J5	J5	J5	J5	Rear panel	Rear panel	Rear panel	Rear panel
Ultra 320 SCSI (controller chip on board)	-	J1/J2	J1/J2	-	-	Rear panel/internal	Internal	-
Parallel	-	J3	J3	J3	-	Internal	Internal	Internal
SATA	-	-	-	-	-	-	Internal	Internal

Ordering Information

Part Number	Rear Panel I/O							On-board Header						Slot Width
	Keyboard	Mouse	COM	USB	LAN	VGA	SCSI	COM	USB	SCSI	IDE 40-pin	FDD	Parallel	
RIO-3309C-AE	1*	1*	1	1	2 (GbE)	1	-	1	1	-	1	1	1**	1
RIO-3309S-A1E	1*	1*	1	1	2 (GbE)	1	-	1	1	1***	1	1	1	1
RIO-3309S-A2E	1*	1*	1	1	2 (GbE)	1	1***	1	1	-	1	1	1	1
RIO-3310S-A1E	1*	1*	2	1	2 (GbE)	1	-	-	1	1***	2	1	1	1
RIO-3310S-A2E	1*	1*	2	1	2 (GbE)	1	1***	-	1	-	2	1	1	1
RIO-3310AE	1*	1*	2	1	2 (GbE)	1	-	-	1	-	2	1	1	1

* Y cable is included.
** An optional extension adapter will extend a 2-slot width panel.
*** Only RIO-3310S has the SCSI chipset on board.

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