RIO-3315

6U CompactPCI® Rear Transition Board for MIC-3395



Features

- External rear-panel interface connector for the MIC-3395 CPU board
- Supports SAS, SATA, USB 2.0, COM and PS/2 interfaces
- One USB header for USB NAND flash module
- Two RJ-45 GbE ports on the rear panel
- One Digital and One analog DVI port on the rear panel
- One MiniSAS port on the rear panel (for RIO-3315-A1E)
- Two PICMG 2.16 LAN ports on the rear panel (for RIO-3315-C1E)

CompactPCI® FCC CE RoHS COMPLIANT 2002/95/EC

Introduction

The RIO-3315 is the first Rear Transition Module (RTM) supporting PCIe connectivity to the main CPCI board enabling significant value-added features and extensions to next generation CPCI blades such as MIC-3395. The RIO-3315 supports: one PS/2 port, six USB ports, two RS-232 ports, two SATA ports, two Gigabit Ethernet ports, one digital and one integrated (digital/analog) DVI port. Three versions of RIO-3315 provide a choice of storage and LAN options. The RIO-3315-A1E with LSI1064E SAS controller supports a 4-port SAS controller with RAID, which allows switching between four internal SAS/SATA or four external MiniSAS ports. The RIO-3315-B1E supports SATA disk drives and SATA RAID via the QM67 PCH. An additional DSUB COM port is placed on rear panel. The RIO-3315-C1E provides two GbE LAN ports and two PICMG 2.16 LAN ports on the rear panel.

The RIO-3395MIL-A1E provides D-SUB9 COM port, one DVI-D, one VGA on rear panel and can carry two SATA HDD/SSD.

Specifications

CompactPCI Connector	J3 / J4 / J5		
SAS Controller	LSI1064E SAS Controller chip supports 3 Gb/s SAS/SATA data transfer and RAID		
Power	Power Consumption	+3.3 V	+5 V
		3 A	2 A
Environment		Operating	Non-Operating
	Temperature	0 ~ 60° C (32 ~ 140° F) -40 - 70° C (-40 - 158° F) (for RIO-3395MIL)	-40 ~ 85° C (-40 ~ 185° F)
	Humidity	95 % @ 40° C, non-condensing	95 % @ 60° C, non-condensing
Physical Characteristics	Dimensions (W x D)	233.35 x 80 mm (9.2" x 3.15"), 1-slot width	
	Weight	0.3 kg (0.66 lbs)	

Ordering Information

Part Number	Rear Panel								On-board Header/Socket/Connector						
	LAN	PS/2*	COM (RJ-45)	COM (DB9)	USB	DVI-D	DVI-I	MiniSAS	USB	VGA	COM	SATA	SAS (SATA Interface)	Slot Width	Conn.
RIO-3315-A1E	2	1	1	-	2	1	1	1	2	-	1	2	4	1	J3, J4, J5
RIO-3315-B1E	2	1	1	1	2	1	1	-	2	1	-	2	-	1	J3, J4, J5
RIO-3315-C1E	4	1	1	-	2	1	1	-	2	-	1	2	-	1	J3, J4, J5

*Note: One PS/2 port carries the signals for keyboard and mouse. A "Y" cable is included.

**Note: The use of Advantech's EmbCore USB 2.0 Disk Module (Type C) is recommended.

Recommended Configurations

Rear I/O Board	CPU Board
RIO-3315-A1E	MIC-3395 Series
RIO-3315-B1E	MIC-3395 Series
RIO-3315-C1E	MIC-3395 Series

I/O View (RIO-3315-A1E)



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All product specifications are subject to change without notice.