

# RIO-3310

## 6U CompactPCI® Rear Transition Boards for MIC-3390 and MIC-3392



### Features

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

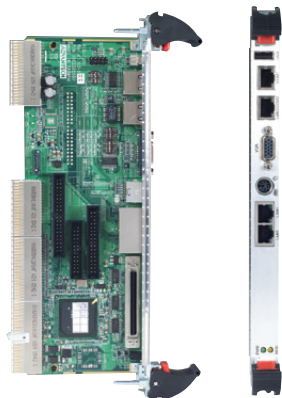


### Introduction

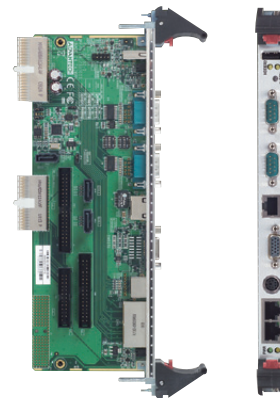
The RIO series of rear transition boards provide rear-panel access to the I/O interfaces of Advantech's CompactPCI CPU boards. RIO-3310S/3310A/3310B is designed for the MIC-3390 and MIC-3392 series.

### Specifications

|                           |  |   |                           |       |
|---------------------------|--|---|---------------------------|-------|
| CompactPCI Connector      | RIO-3310S: J1/J2/J3/J5; RIO-3310A: J3/J5; RIO-3310B: J3/J5                     |   |                           |       |
| SCSI Controller           | RIO-3310S: Adaptec AIC-7901 ultra 320 SCSI control chip supports RAID 0, 1, 10 |   |                           |       |
| SATA RAID Port Multiplier | RIO-3310B: JMicron JMB390 SATA II Port Multiplier supports RAID 0, 1, JBOD     |   |                           |       |
| 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)   |       |
|                           |  | Humidity                                    | -20 ~ 80° C (-4 ~ 176° F) |       |
| Physical Characteristics  | Dimensions (W x D)   | 233.35 x 80 mm (9.2" x 3.15"), 1-slot width |                           |       |
|                           | Weight   | 0.4 kg (0.88 lb)                            |                           |       |



RIO-3310S-A1E



RIO-3310BE

## I/O Interfaces

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

## Ordering Information

| Part Number   | Rear Panel |       |     |     |                       |     |      | On-board Header |      |            |     |          |      |
|---------------|------------|-------|-----|-----|-----------------------|-----|------|-----------------|------|------------|-----|----------|------|
|               | Keyboard   | Mouse | COM | USB | LAN                   | VGA | SCSI | USB             | SCSI | IDE 40-pin | FDD | Parallel | SATA |
| RIO-3310S-A1E | 1*         | 1*    | 2   | 1   | 2 (GbE)               | 1   | -    | 1               | 1    | 1          | 1   | 1        | -    |
| RIO-3310S-A2E | 1*         | 1*    | 2   | 1   | 2 (GbE)               | 1   | 1    | 1               | -    | 1          | 1   | 1        | -    |
| RIO-3310AE    | 1*         | 1*    | 2   | 1   | 2 (GbE)               | 1   | -    | 1               | -    | 1          | 1   | 1        | -    |
| RIO-3310BE    | 1*         | 1*    | 2   | 1   | 2 (GbE)<br>1 (10/100) | 1   | -    | 1               | -    | 1          | 1   | 1        | 3**  |

\*Note: Y cable is included.

\*\*Note: Among three SATA connectors, two are used for RAID function.