

3U *CompactPCI*[®] to 4 Slot PCI Carrier

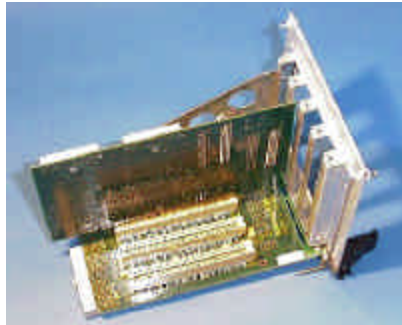
The **PCI carrier** allows the operation of any standard (desktop) PCI card in a *CompactPCI*[®] system. The **PCI-Adapter** acts as a PCI bridge, providing an electrically and mechanically optimized interface between PCI and *CompactPCI*[®] system.

Our adapters include a PCI Bridge. **Some competitor products do not provide a PCI bridge**, thus reducing adapter costs by tolerating a violation of the PCI specs. Overall PCI compatibility however is a must in order to achieve total system reliability. ***Please bear these facts in mind, when comparing prices of PCI-Adapters.***

All modern operating systems can treat a PCI bridge in a plug and play manner meaning that the bridge remains virtually transparent, as if the PCI component(s) behind the bridge on the secondary PCI bus were part of the primary PCI bus.

Using the **PCI Carrier**/bridge allows standard PCI boards to work in a *CompactPCI*[®] system is both a reliable technical solution, and a smart economical decision.

The **PCI Carrier** frees the system integrator from the need of a redesign of PCI cards already available to the *CompactPCI*[®] standard. This is a great advantage, especially when time to market is critical, or the number of systems to be built is limited, or the function to be implemented has fast innovation cycles.



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The BRIDGE design permits up to 4 standard (160x106mm) PCI cards to be inserted in a single *CompactPCI*[®] slot. The adapter covers 6 additional *CompactPCI*[®] slots for a total of 28HP width. Even long PCI cards can be easily inserted in the expansion unit by inserting the carrier in the end slot of a RH System slot backplane. Additional drivers are not needed. The PCI devices are detected by standard PCI BIOS with BIOS extension. The controlled impedance layout design guarantees optimized reliability.

Ordering

PCI_300.116 3U CompactPCI to Four slot PCI Carrier

Four Slot PCI to 3U CompactPCI Carrier Specifications

- 3U, 7 slot (28HP) width
- 32-bit PCI Bridge with INTEL® 21152 (33 MHz)
- Full plug-and-play support
- Automatic voltage adaptation to 3.3 V / 5 V backplane V(I/O)
- PCI card preset to 5 V (I/O) (3.3 V on request)
- Supply voltage for bridge operation of 5 V (single) from backplane
- LED indicators for all voltages (internal)
- All operating voltages are looped through from the backplane to the PCI bus
- Prepared for additional external input with 6.3x0.8 Faston quick-connect terminals
- Simple adaptation to different interrupt tables by means of jumpers
- JTAG support
- Suitable for industrial use thanks to rugged components
- EMC-compliant design
- Specifications: PCI 2.1, PICMG 2.0 R2.1 / R3.0
- Temperature/Humidity
 - Temperature Range 0-60C
 - Relative Humidity Range 5-90% non-condensing
- 1 year limited warranty