



VMIACC-0425 CompactPCI Rear Transition Board

- Transitions two serial ports, two USB ports, PMC I/O, LVDS, VGA, two Ethernet ports, PS/2 keyboard/mouse, IDE, and floppy signals from CompactPCI® J4 and J5 connectors to standard I/O connectors
- Provides one stacked micro-DB-9 male serial port connector
- Provides enhanced IDE 40-pin connector
- Provides 34-pin floppy disk drive connector
- Provides one 20-pin LVDS connector
- Provides two standard USB connectors
- Provides two standard 68-pin connectors for PMC I/O
- Provides one standard VGA connector
- Provides two standard RJ45 Ethernet connectors
- Provides one standard combined PS/2 keyboard/mouse connector
- IEEE P1101.11 compliant
- CompactPCI Rev. 2.1 compliant
- 6U height, 80 mm minimum depth

INTRODUCTION — The VMIACC-0425 is designed to be used in conjunction with the VMICPCI-7716 single-board computer (SBC). The VMIACC-0425 mounts in the rear transition area of the backplane and provides access to the VGA, Ethernet, PS/2, serial, USB, enhanced IDE, floppy, LVDS, and PMC I/O by way of the J4 and J5 connectors.

The CompactPCI J4 and J5 connectors carry all associated signals from the 6U front mount SBCs through the backplane to the VMIACC-0425 J4 and J5 connectors (see Figure 1).

HEADERS AND CONNECTORS — The two serial ports use standard stacked micro-DB-9 male connectors. The USB ports are standard USB connectors. The IDE and floppy are standard 40- and 34-pin header connectors, respectively. IDE and floppy cabling should be limited to a maximum of 18 inches. The VGA is a 15-pin high-density D-subminiature connector. The LVDS connector is a 20-pin (2 x 10) header. The Ethernet ports use RJ45 connectors. The keyboard and mouse use a 6-pin DIN-type connector. The PMC I/O signals are supported on one 68-pin mass termination connectors (Robinson Nugent P50E-068-PI-SRI-TG or Kel 8830E-068-170L) available on the rear panel.

PHYSICAL/ENVIRONMENTAL

Physical Dimensions: 6U single Eurocard format, single slot

Height: 9.2 in. (233.4 mm)

Depth: 3.15 in. (80 mm)

Thickness: 0.8 in. (20.3 mm)

Power Requirements: Power for the VMIACC-0425 is 3.3 V and +5 V, supplied through the J4 and J5 connectors on the CompactPCI backplane

Temperature Range: 0 to 70 C° operating, forced air cooling required

PHOTO NOT AVAILABLE

Relative Humidity Range: 10 to 90 percent, noncondensing

TRADEMARKS

The VMIC logo is a registered trademark of VMIC. CompactPCI and PICMG are registered trademarks of PCI Industrial Computer Manufacturers' Group. Other registered trademarks are the property of their respective owners.

Ordering Options							
June 13, 2001 800-800425-000 A	A	B	C	–	D	E	F
VMIACC-0425	–	0	0	0	–		
ABC = 000 (Options reserved for future use)							
Connector Adapters							
360-010050-000							
The connector adapter is a 9-pin micro-D to standard-D serial port adapter.							
For Ordering Information, Call: 1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859 E-mail: info@vmic.com Web Address: www.vmic.com Copyright © May 2001 by VMIC Specifications subject to change without notice.							



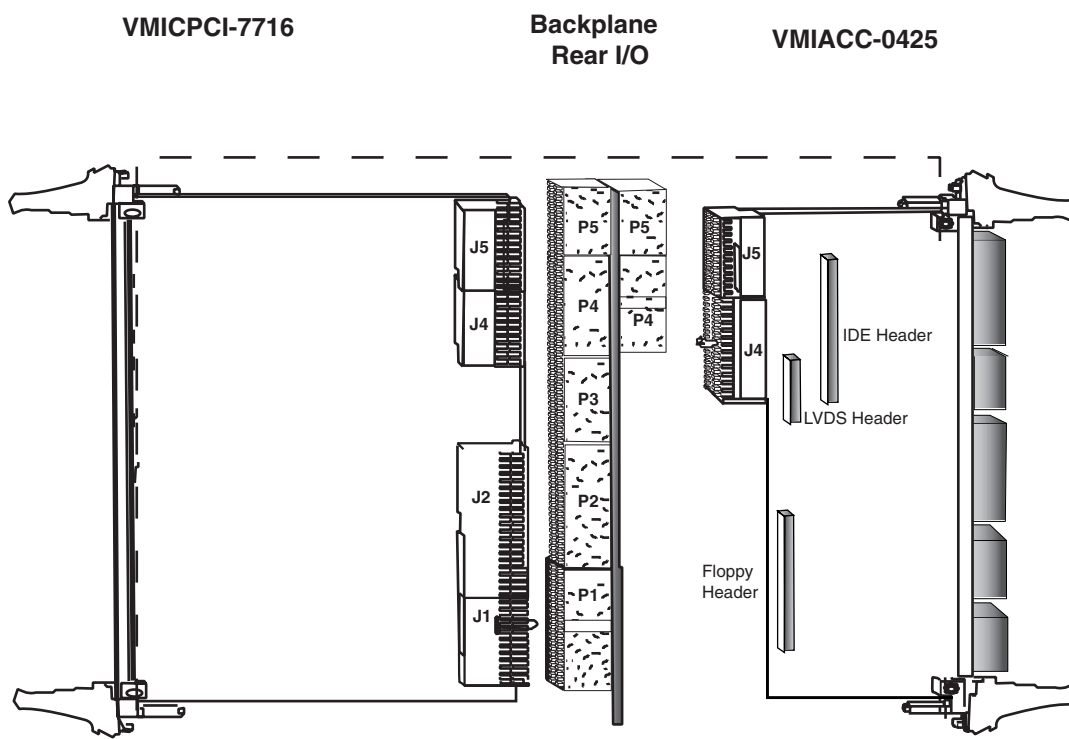


Figure 1. VMIACC-0425 and Rear I/O with VMICPCI-7716