

- Transitions two serial ports, two USB ports, PMC I/O, LVDS, VGA, Ethernet, 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
- Provide one standard VGA connector
- Provides one standard RJ45 Ethernet connector
- 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-0424 is designed to be used in conjunction with the VMICPCI-7715 single-board computer (SBC). The VMIACC-0424 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-0424 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 uses an RJ45 connector. 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

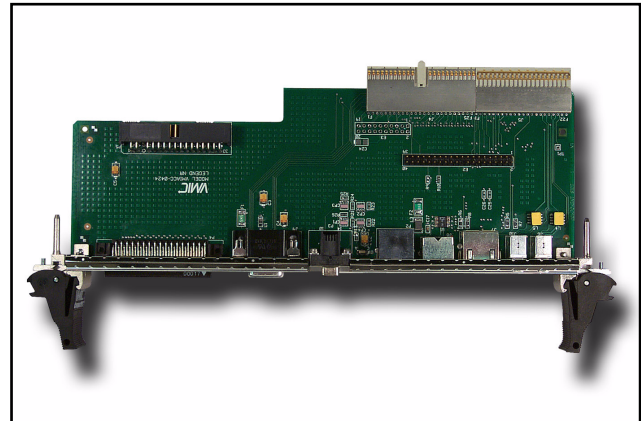
Height: 9.2 in. (233.4 mm)

Depth: 3.15 in. (80 mm)

Thickness: 0.8 in. (20.3 mm)

**Power Requirements:** Power for the VMIACC-0424 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



**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							
April 24, 2001 800-800424-000 B	A	B	C	—	D	E	F
VMIACC-0424	—	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.							
<b>For Ordering Information, Call:</b> 1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859 E-mail: info@vmic.com Web Address: www.vmic.com Copyright © October 2000 by VMIC Specifications subject to change without notice.							



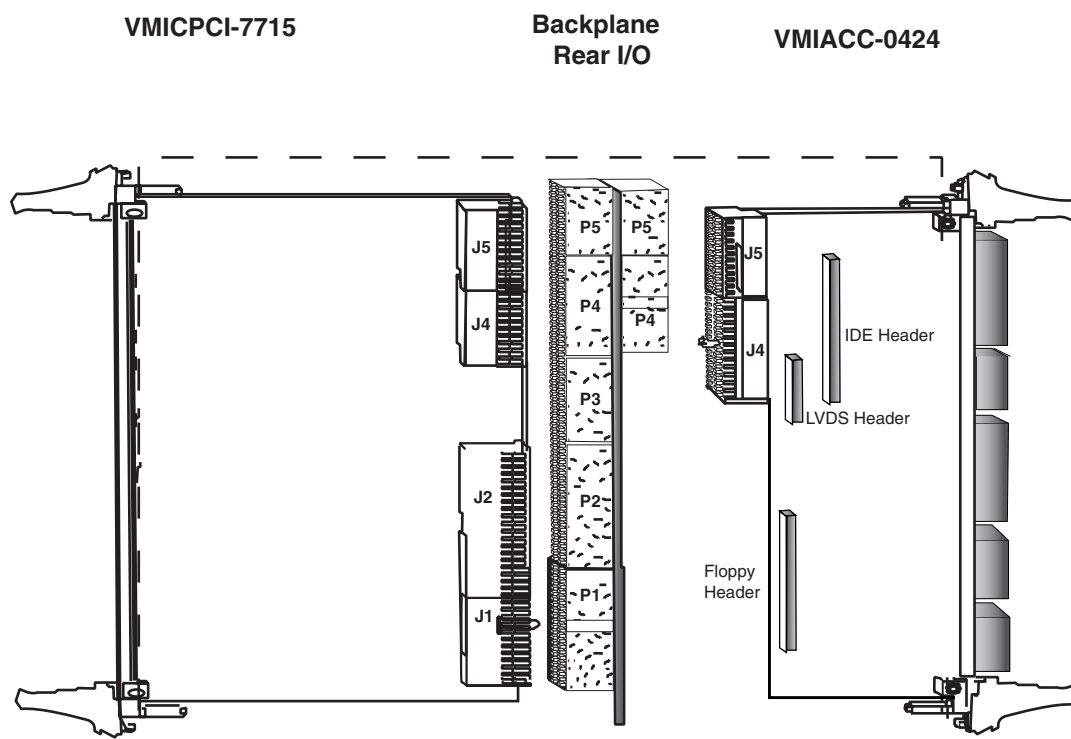


Figure 1. VMIACC-0424 and Rear I/O with VMICPCI-7715