

- 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

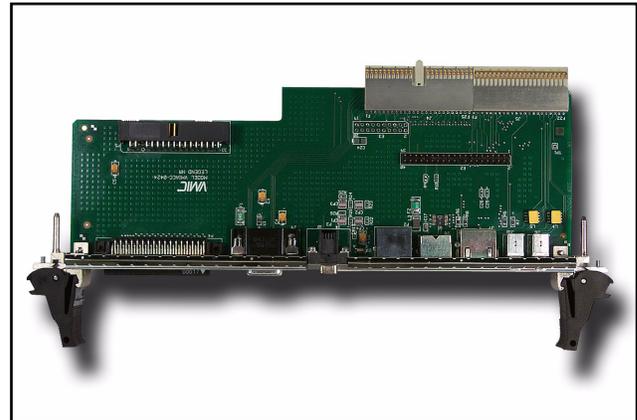
Height: 9.2 in. (233.4 mm)

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

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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.							
<p>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 © October 2000 by VMIC Specifications subject to change without notice.</p>							



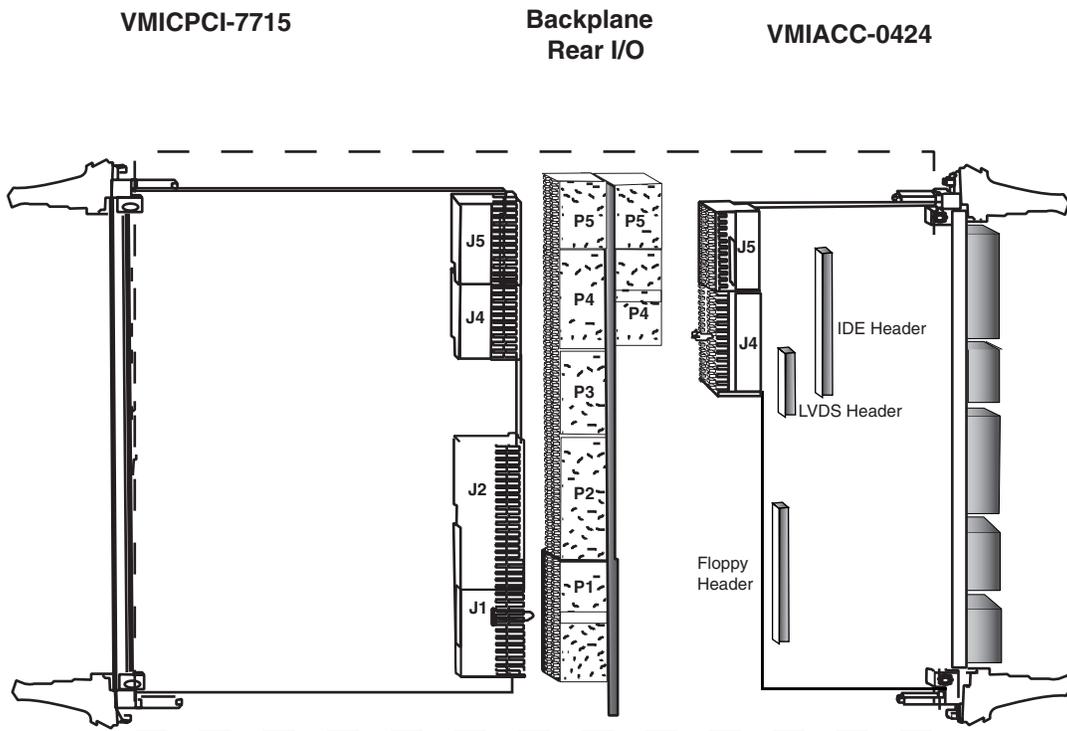


Figure 1. VMIAACC-0424 and Rear I/O with VMICPCI-7715