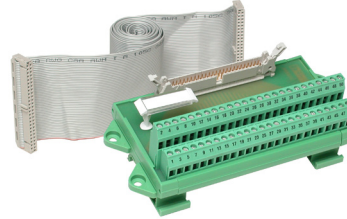
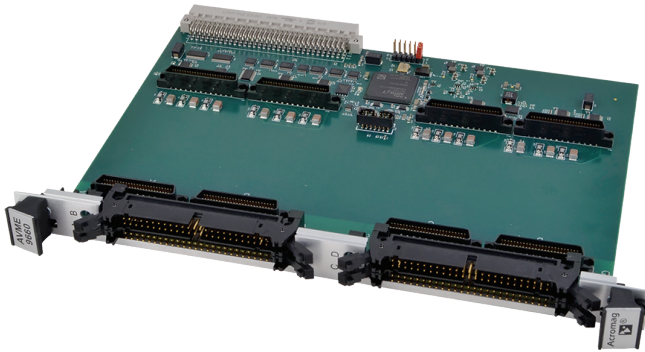
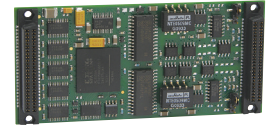


Industry Pack Carriers

AVME9660A VMEbus 6U, Non-intelligent, IP Carrier Cards



Termination panel & cable



Industry Pack modules

Holds four IP modules ♦ Supports 1MB-8MB memory per IP module ♦ Front panel connectors

Description

The AVME9660A is a non-intelligent slave board that interfaces Industry Pack (IP) modules to the VMEbus. The full-height (6U) board holds four IP modules. All field I/O connections are made to the carrier board.

Acromag's carrier boards provide full data access to the IP module's I/O, ID and memory spaces. With full access to the programmable registers, you can easily configure and control the operation of the IP modules from the VMEbus.

Up to two interrupt requests are supported for each IP module. The VMEbus interrupt level is software programmable.

Individual passive filters on each IP module power supply line provide optimum filtering and power isolation between the IP modules and the carrier board.

Key Features & Benefits

- Full IP module data access enables convenient software configuration and control of the IP modules.
- Front panel LEDs simplify debugging with a visual indication of successful IP accesses.
- Front panel connectors provide ribbon cable access to field I/O without interference from boards in adjacent slots.

Performance Specifications

■ IP Compliance (ANSI/VITA 4)

Meets IP specifications per ANSI/VITA 4-1995.

Electrical/mechanical interface: Supports single or double size IP modules. 32-bit IP modules are not supported.

I/O space and ID space supported.

Memory space: Supports 1MB to 8MB per IP module.

Interrupts: Supports two interrupt requests per IP module & interrupt acknowledge cycles, D16/D08(O).

■ VMEbus Compliance

Meets VME specifications per revision C.1 dated October 1985, IEC 821-1987 and IEEE 1014-1987.

Data transfer bus: A24/A16:D16/D08(E0) DTB slave; supports Read-Modify-Write cycles.

Interrupts: Creates 1(1-7) programmable request levels (up to two requests sourced from each IP module). D16/D08(O) interrupter (interrupt vectors come from IP modules). Carrier registers are for control and status monitoring. Interrupt release mechanism is Release on Register Access (RORA) type.

■ Physical

Physical Configuration

Length: 9.187 inches (233.3 mm).

Width: 6.299 inches (160.0 mm).

Board Thickness: 0.062 inches (1.59 mm).

Max Component Height: 0.550 in. (13.97 mm)

Recommended Card Spacing: 0.800 inches (20.32mm)

Connectors

P1 (VMEbus): DIN 41612 96-pin Type C, Level II

P2 (VMEbus): Not Used.

A-D (Carrier Field I/O): 50-pin Male Header x2 stacked "condo type" 3M 3433-D303 with ejector latches

■ Environmental

Operating temperature

0 to 70°C (AVME9660A-LF)
or -40 to 85°C (AVME9660AE-LF models).

Storage temperature

-55 to 100°C.

Relative humidity

5 to 95% non-condensing.

Power

+5V (±5%): 0.233A typical, 0.275A maximum.

±12V (±5%): 0mA (not used).

Plus IP module load.

MTBF

Contact the factory

Acromag 
THE LEADER IN INDUSTRIAL I/O

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Industry Pack Carriers

AVME9660A VMEbus 6U, Non-intelligent, IP Carrier Cards

Ordering Information

Carrier Card

[Go to on-line ordering page >](#)

AVME9660A-LF*

VMEbus 6U carrier board, holds four Industry Pack modules.

AVME9660AE-LF*

VMEbus 6U carrier board, holds four Industry Pack modules. Extended temperature. (-40 to 85°C)

* The AVME9660A is designed as a fit, form and functional replacement of the AVME9660.

Accessories

[Go to on-line ordering page >](#)

5025-550

Cable, unshielded, 50-pin header both ends

5025-552

Termination panel, 50-pin connector, 50 screw terminals

IP Modules

[Go to on-line ordering page >](#)

Software Development Tools

[Go to on-line ordering page >](#)

IPSW-A7VME-LNX

Industry Pack: Software. Linux example libraries. Works with Acromag's FPGA-based bridge for models XVME-6500 & XVME-6700, Industry Packs, and VME carriers when used with Industry Packs. CD-ROM.

IPSW-VME-LNX

Industry Pack: Software. Linux example libraries. Works with TS1148 chipset for models XVME-6300, XVME-6400, Industry Packs, and VME carriers.

IPSW-A7VME-VXW

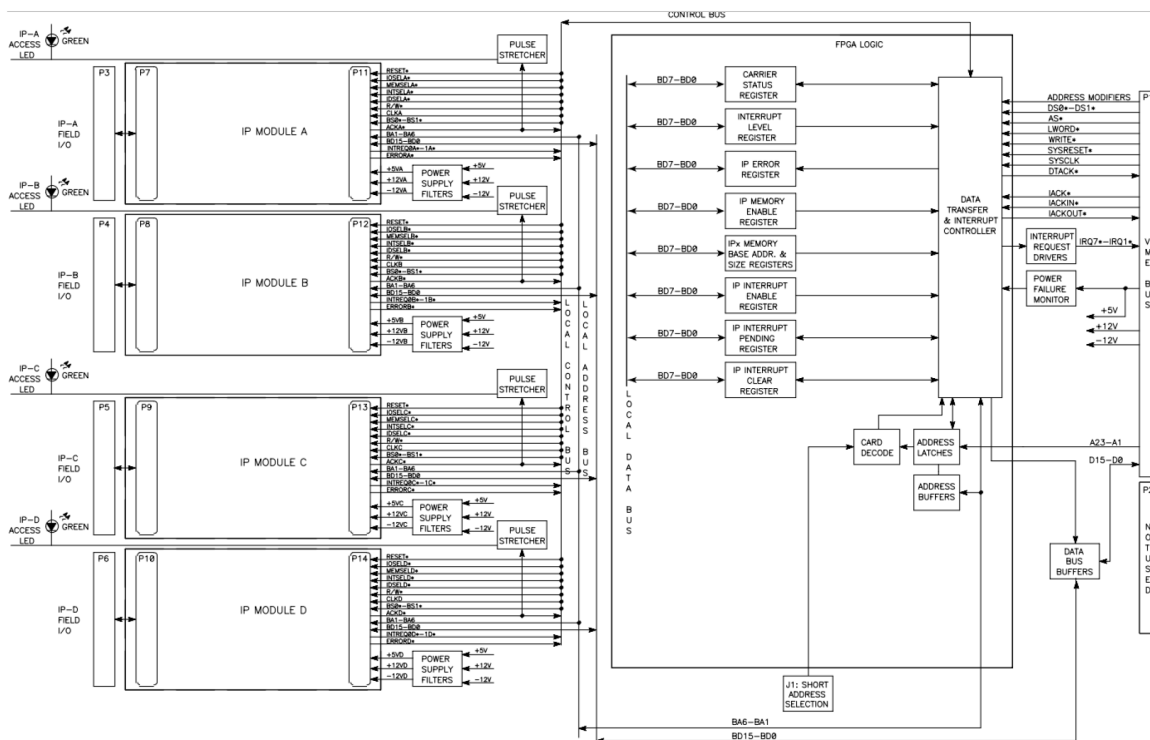
Industry Pack: Software. VxWorks 7.0 64-bit. Software support package for models XVME6500 and XVME6700 SBC when used with Industry Packs and VME carriers. CD-ROM.

IPSW-A7VME-WIN

Industry Pack: Software. Windows 64-bit and 32-bit. Software package for models XVME6500 and XVME6700 SBCs when used with Industry Packs and VME carriers. CD-ROM.

IPSW-VME-WIN

Industry Pack: Software. 64-bit and 32-bit Windows driver software package for Industry Packs. DLLs and demonstration programs for VME carriers. Works with TS1148 chipset including the XVME-6300 and XVME-6400. CD-ROM.



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