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Find the *Acromag AVME9670* at our website: *Click HERE*

Industry Pack Carriers

Acromag
THE LEADER IN INDUSTRIAL I/O

Industry Pack Carriers

AVME967x
VME64, Non-intelligent, IP Carrier Cards

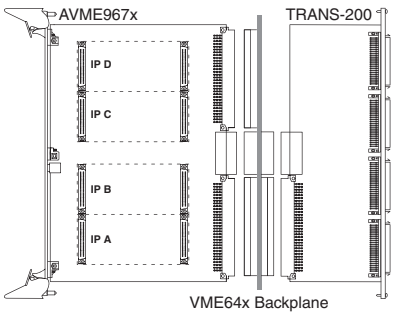
- AVME9670: With user-defined addressing
- AVME9675: With geographical addressing

The AVME9670 and AVME9675 are non-intelligent slave boards that interface up to four IP modules to the VMEbus. The only difference is that the AVME9675 adds fully implemented geographical addressing. Both are full-height (6U) IP carrier cards that use VME64-compliant connectors to increase the quantity of rear I/O connections beyond that of standard VME.

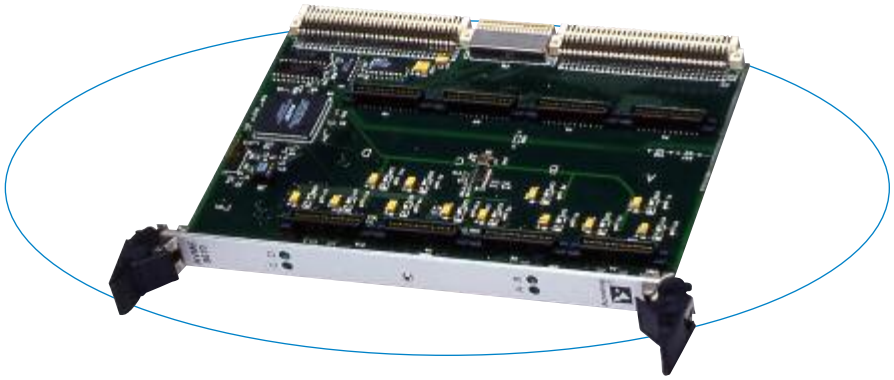
When used with a VME64 backplane, the AVME9670 brings all 200 I/O points out the rear P0 and P2 connectors. This convenience eliminates messy cables from hanging out the front of the cage. In addition to a cleaner cage design, it is also much easier to insert and replace boards into the system.

Features

- Four industry-standard IP module slots (two IP slots on AVME9675-2 models)
- 200 I/O points with rear access
- VME64x high-density rear connectors
- Full geographical addressing (AVME9675 only)
- Two interrupts per IP module
- Individually filtered and fused power to each IP
- Front panel status LEDs



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Mix and match plug-in modules with different I/O functions to quickly create custom I/O boards with hundreds of channels.

Operation

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 isolation between the IP modules and the carrier board.

Specifications

IP Compliance (ANSI/VITA 4)

Meets IP specifications per ANSI/VITA 4-1995 and ANSI/VITA 4.1-1996 for I/O mapping.

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 and interrupt acknowledge cycles, D16/D08(O).

VMEbus Compliance

Meets VME64 specifications per ANSI/VITA 1-1994 and VME64x specifications per ANSI/VITA 1.1-1997.

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

Interrupts: Creates I(1-7) programmable request levels (up to two requests sourced from each IP module). Supports D16/D08(O) round-robin hardware interrupt prioritization of IP sources. Carrier registers support interrupt control and status monitoring. Interrupt release mechanism is Release on Register Access (RORA) type.

Environmental

Operating temperature: 0 to 70°C (AVME9670/75) or -40 to 85°C (AVME9670E/75E models).

Storage temperature: -25 to 85°C (AVME9670/75) or -40 to 85°C (AVME9670E/75E models).

Relative humidity: 5 to 95% non-condensing.

Power:
+5V (±5%): 525mA maximum.
±12V (±5%): 0mA (not used).
Plus IP module load.

MTBF: 474,104 hrs. at 25°C, MIL-HDBK-217F, notice 2.

Ordering Information

Industry Pack Carriers

AVME9670: VME64x 6U carrier. Holds four IP modules.

AVME9670E: Same as AVME9670 plus extended temperature range.

AVME9670-2: Same as AVME9670 except it holds two IP modules (no P0 connector).

AVME9670-2E: Same as AVME9670-2 plus extended temperature range.

AVME9675-4: Same as AVME9670 plus geographical addressing. Holds four IP modules.

AVME9675-4E: Same as AVME9675-4 plus extended temperature range.

AVME9675-2: Same as AVME9675-4 except it holds two IP modules (no P0 connector).

AVME9675-2E: Same as AVME9675-2 plus extended temperature range.

Software *(see software documentation for details)*

IPSW-API-VXW: VxWorks® software support package

IPSW-API-QNX: QNX® software support package

IPSW-API-WIN: Windows® DLL driver software support pkg.

IPSW-LINUX: Linux™ support (website download only)

Accessories *(see accessories documentation for details)*

5028-438: Cable, SCSI-2 to SCSI-2, shielded.

5028-378: Termination panel, SCSI-2 connector, 50 screw terminals

TRANS-200: Transition module

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