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Find the *Acromag AVME9660* at our website: *Click HERE*

Industry Pack Carriers

Acromag
THE LEADER IN INDUSTRIAL I/O

Industry Pack Carriers

AVME9630/60 VMEbus 3U/6U, Non-intelligent, IP Carrier Cards

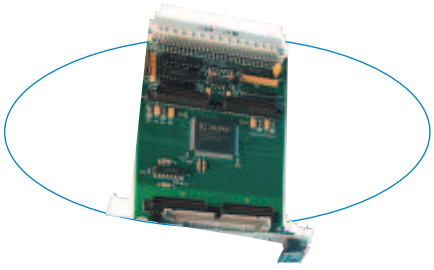
The AVME9630 and AVME9660 are non-intelligent slave boards that interface IP modules to the VMEbus. The full-height (6U) board holds four IP modules, and the half-height (3U) board holds two. All field I/O connections are made to the carrier board.

Features

- 6U VMEbus card holds four IP modules, 3U model holds two modules
- Industry-standard IP module interface
- Front panel connectors for field I/O signals
- Supports two interrupt channels per IP
- Provides individually isolated and filtered +5V, +12V, and -12V DC power lines to each IP module
- Accepts other manufacturers' IP modules
- Locking front panel connectors

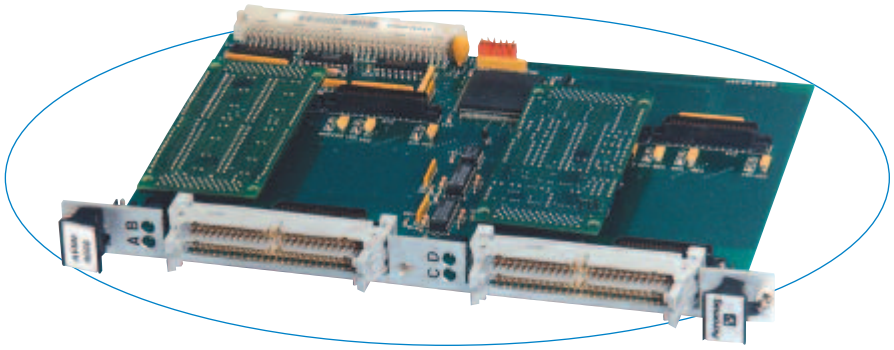
Benefits

- 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.



AVME9630 3U Carrier

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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 power isolation between the IP modules and the carrier board.

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 and 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(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). 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.

Environmental

Operating temperature: 0 to 70°C (AVME9630/60) or -40 to 85°C (AVME9630E/60E models).

Storage temperature: -25 to 85°C (AVME9630/60) or -40 to 85°C (AVME9630E/60E models).

Relative humidity: 5 to 95% non-condensing.

Power:
+5V (±5%): 275mA maximum.
±12V (±5%): 0mA (not used).
Plus IP module load.

MTBF: 453,851 hrs. at 25°C, MIL-HDBK-217F, notice 2.

Ordering Information

Industry Pack Carriers

AVME9630: not available for new designs
3U carrier. Holds two IP modules.

AVME9630E: not available for new designs
Same as AVME9630 plus extended temperature range.

AVME9660: not available for new designs
6U carrier. Holds four IP modules.

AVME9660E: not available for new designs
Same as AVME9660 plus extended temperature range.

Software *(see software documentation for details)*

IPSW-API-VXW
VxWorks® software support package

Accessories *(see accessories documentation for details)*

5025-550: Cable, unshielded, 50-pin header both ends

5025-551: Same as 5025-550 except shielded

5025-552: Termination panel, 50-pin connector, 50 screw terminals

TRANS-GP: Transition module

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