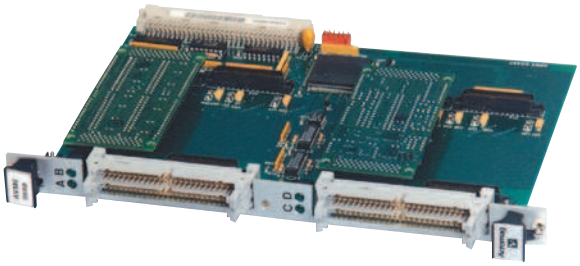
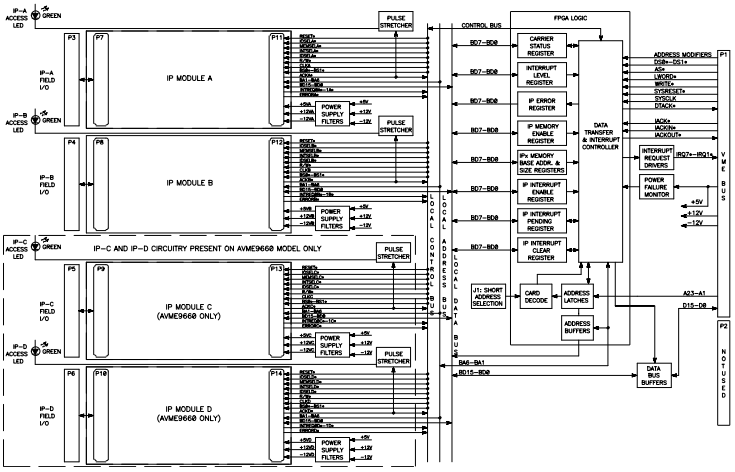
Industry Pack Carriers

AVME9660 VMEbus 6U, Non-intelligent, IP Carrier Cards

24 HOUR STOCK ITEM

2 YEAR WARRANTY





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

Description

The AVME9660 is a non-intelligent slave boards that interface 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.

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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 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.

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 inches (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

A, B (Carrier Field I/O): 50-pin Male Headers. No ejector latches.

Environmental

Operating temperature
0 to 70°C (AVME9660)
or -40 to 85°C (AVME9660E models).

Storage temperature
-25 to 85°C (AVME9660)
or -40 to 85°C (AVME9660E 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

Carrier Card

AVME9660
6U carrier. Holds four IP modules.

AVME9660E
Same as AVME9660 plus extended temperature range.

Accessories

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

5025-551
Same as 5025-550 except shielded

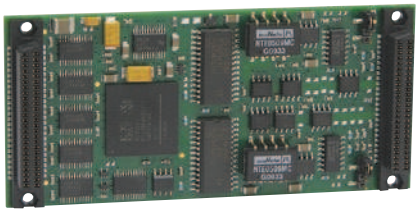
5025-552
Termination panel, 50-pin connector, 50 screw terminals

IP Modules

See www.acromag.com for more information.

Software Development Tools

See www.acromag.com for more information.



See www.acromag.com/industrypack for Industry Pack modules

MADE IN USA ISO9001 AS9100

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