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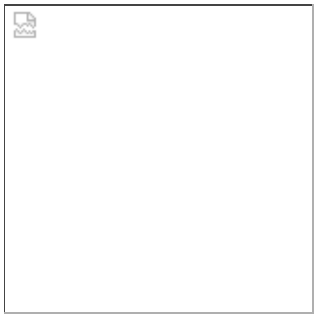
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Find the *Acromag AVME-9460* at our website: ***Click HERE***

Acromag

Product Data Sheets | **VMEbus I/O** | *Digital I/O*



AVME941x/6x
Low-Cost Digital I/O

- **AVME9410:** 64 outputs, front access
- **AVME9411:** 64 outputs, P2 access
- **AVME9412:** 32 outputs, front access
- **AVME9413:** 32 outputs, P2 access
- **AVME9460:** 64 I/O channels, front access
- **AVME9461:** 64 I/O channels, P2 access
- **AVME9462:** 32 I/O channels, front access
- **AVME9463:** 32 I/O channels, P2 access

These boards economically interface digital signals to the VMEbus. They are ideally suited to interface with a variety of discrete devices such as relays, switches, contact closures, and indicators.

Series AVME946x I/O boards allow programming of up to 64 points individually as either inputs or outputs. These I/O points are configured as 8-bit ports. 8-bit or 16-bit data transfers maybe used to access the ports either individually or in pairs.

Series AVME941x boards are designed for output-only applications. They offer reduced cost and increased load voltage capacity.

FEATURES

- 32 or 64 bi-directional I/O (AVME946x)
  32 or 64 outputs only (AVME941x)
- TTL and CMOS compatible
- Input hysteresis
- Open collector output with removable pull-up resistors
- Built-in protection diodes for driving relay coils
- AVME946x outputs sink up to 100mA, from an external source up to 5V
- AVME941x outputs handle up to 100mA, from an external source up to 30V

SPECIFICATIONS

Input (AVME946x only)
Input voltage range: 0-5V DC

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Input hysteresis: 0.4V DC nominal

Input current: 0.2mA nominal

Digital Output

Output type: Open collector with removable pull-up resistor

Output voltage range:
0-5V DC, AVME946x
0-30V DC, AVME941x

Output current sink:
From external power supply: 100mA maximum
From internal power supply: 24mA maximum

Output saturation voltage @ 100mA: 1.1V maximum, 0.9V typical

VME Compliance

Meets VME Specifications per revision C.1 dated Oct., 1985 and IEC 821-1987

Data transfer bus: A24/A16:D16/D08 (EO) DTB slave

Address modifier codes: 29H, 2DH, 39H, 3DH

Memory map: Standard or short address space, supervisory or non-privileged access, occupying 1K consecutive byte locations, base address jumper-configurable

Board size: Double Eurocard (NEXP) (233mm x 160mm)

Connectors

P1: IEC Type 603-2-C096MX-xxx (96pin DIN)

P2: IEC Type 603-2-C096MX-xxx (96pin DIN)

P3: BNC jack

Environmental

Operating temperature: 0 to 70^{o}C (32 to 158^{o}F)

Relative humidity: 5 to 95%, noncondensing

Isolation: Non-isolated

Power:
+5V DC +0.25V/-0.125V @ 600mA typical

ORDERING INFORMATION

Digital I/O boards

AVME9410
64 outputs, front cable access

***AVME9411**
64 outputs, rear cable access (P2)

AVME9412
32 outputs, front cable access

***AVME9413**

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32 outputs, rear cable access (P2)

AVME9460
64 I/O pts, front cable access

***AVME9461**
64 I/O pts, rear cable access (P2)

AVME9462
32 I/O pts, front cable access

***AVME9463**
32 I/O pts, rear cable access (P2)

***WARNING:** Do not plug these boards into a P2 backplane slot. Middle row of P2 pins are used for I/O. Instead, use a 9921 adapter and a P2 backplane with an open slot.

Adapters

9921-16
Interfaces boards with rear cable access to four 16-channel termination panels

9921-32
Interfaces boards with rear cable access to one or two 32-channel termination panels

View On-Line Data Sheets

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