



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com

VMEBUS INPUT/OUTPUT BOARDS

AVME948x General-Purpose Digital I/O

- Model AVME9480: front panel access
- Model AVME9481: P2 access

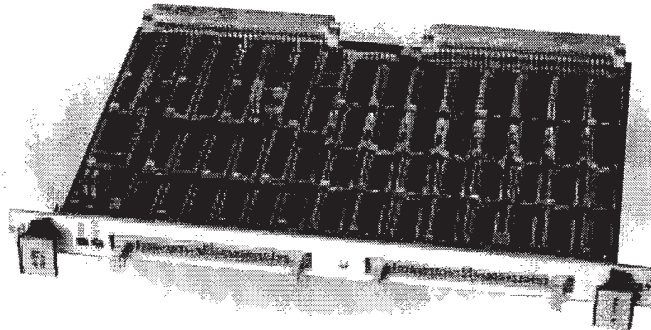
These digital input/output boards interface solid-state or mechanical control relays and other discrete industrial logic devices to the VMEbus. The interfacing is accomplished by providing 64 general purpose I/O points (or lines). Each of the 64 points is selectable as an input, an output, or both - depending on the application.

These boards can handle inputs from a low range of 0 to 5V DC to a high range of 0 to 30V DC. The host can read each of the points configured as an output.

A variety of features includes host interrupt capability and adjustable input threshold.

Features

- 64 points of bidirectional I/O
- I/O range of 0 to 30 volts
- I/O points configurable as eight 8-bit ports or four 16-bit ports
- One 8-bit port (Port 0) for handshaking with latch and interrupt capability
- Read state of points configured as outputs
- Open collector output
- Adjustable input threshold
- Status LEDs
- Built-in protection diodes for driving relay coils
- Byte or word data transfers
- Compatible with industry-standard plug-in solid-state relays and termination panels



AVME9480 and AVME9481 boards offer a price/performance balance that is ideal for a broad range of I/O applications.

Specifications

General

I/O points per board: 64; each point is programmable as an input and/or an output.

Interrupt capability: 8 level-selectable interrupt lines with programmable masks.

Digital Input

Input voltage range: 0 to 30V DC.

Input threshold:

High to low:

Internal reference supply:

$V_{IL} = 1.0V$ DC nominal.

External reference supply:

$V_{IL} = (.448 \times REF) - 1.22V$ DC nominal.

Low to high:

Internal reference supply:

$V_{IH} = 2.25V$ DC nominal.

External reference supply:

$V_{IH} = (.448 \times REF) + 0.025V$ DC nominal.

Input hysteresis: 1.2V DC nominal.

Input current (per point):

$I_{IL} = -0.2\mu A$ at 0V, $V_{REF} = 5V$.

$I_{IH} = 61\mu A$ at 30V DC.

External reference supply: 2.75 to 27.5V DC.

Digital Output

Output type: open collector with optional pull-up resistor.

Output voltage range: 0 to 30V DC.

Output current (per point): $I_{OL} = 100mA$ maximum.

Power Supply Requirements

Power: +5V DC +5%/-2.5% @ 1.6 A, typical.

Environmental

Operating temperature: 0 to 70°C (32 to 158°F).

Relative humidity: 5 to 95%, non-condensing.

Isolation: Non-isolated.

Connector

1P, P2: IEC Type 603-2-C096MX-xxx (96 pin DIN).

P3, P4: (AVME9480 only) 50 pin male header connector.

VME Compliance

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

Data transfer bus: A16: D16/D08 (EO) DT8 slave.

Address modifier codes: 29H, 2DH.

Interrupt request levels: IRQ(1) - IRQ(7) eight programmable vectors.

Memory map: short I/O space occupying 1K.

Ordering Information

AVME9480:

Front cable access

AVME9481

Rear cable access (P2), see warning below

WARNING: Do not plug AVME9481 into a P2 backplane slot. The middle row of P2 pins are used for I/O. Instead, use a 9921 adapter and P2 backplane with an open slot. See termination products for more information.

For software, see Page 58. For wiring hardware, see Pages 60-65. For signal conditioning, see Page 66.



Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

*InstraView*SM REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at www.instraview.com ↗

WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. www.artisanng.com/WeBuyEquipment ↗

LOOKING FOR MORE INFORMATION?

Visit us on the web at www.artisanng.com ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

Contact us: (888) 88-SOURCE | sales@artisanng.com | www.artisanng.com