Xycom XVME-220

Digital Output VME Module

In Stock

Used and in Excellent Condition

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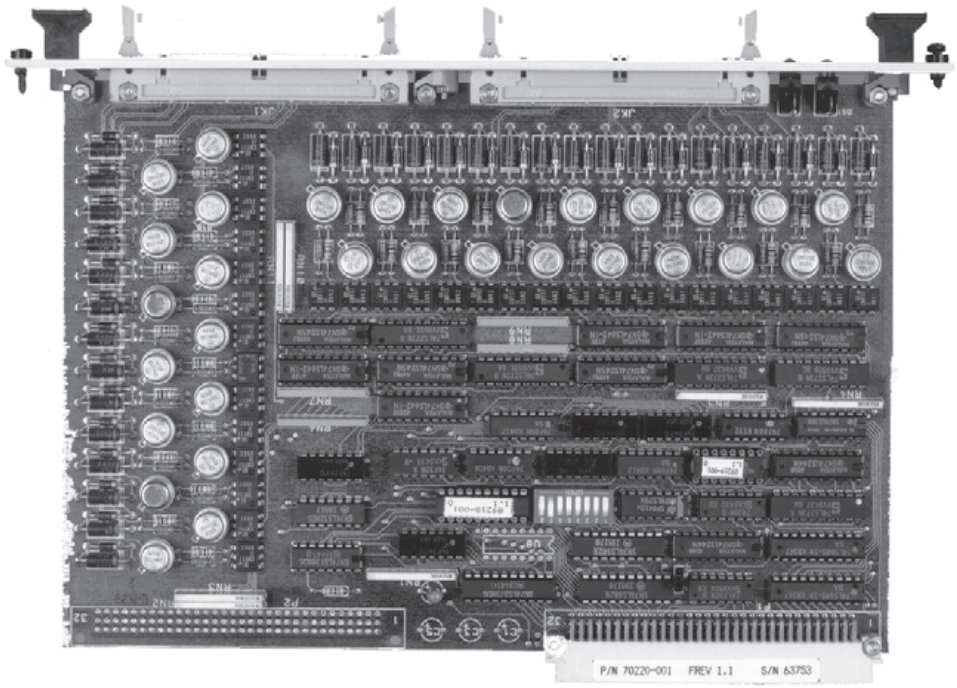
XVME-220
Digital Output Module



Features

- 32 optically isolated, digital output channels
- Open-collector outputs to 30 V and 100 mA
- 300 VDC optical isolation
- Hardware initialization of outputs at module power-up
- Outputs are software-readable
- Transient protection on all outputs

Applications

- Control valves
- Solid state relays
- Counters
- Logic state interlock to programmable controllers
- Alarm interface
- Parallel interface
- Indicator lamps

Overview

The XVME-220 Digital Output module is a 32-channel, digital output module designed to be used in VMEbus systems. Each output channel is opto-isolated from the system bus and each uses an open-collector configuration to allow a maximum load capability of 30 volts and 100 mA. All outputs employ transient suppression circuitry to minimize the possibility of damage due to high-voltage transients occurring in the output application circuit.

The 32 output channels are arranged to form 4 (byte-wide) output registers. The output registers are addressed consecutively, allowing the output channels to be accessed in either the "byte" or "word" format. To add to the integrity of the system, default initialization will disable all outputs both on system power-up and during a software reset.

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Hardware Specifications

Outputs 32

Located on two 50-pin ribbon headers on the front panel, 16 per header

Physical Output

Normally-open contacts

Output Voltage

Off-state (V_{oh})	30 V max.
On-state (V_{ol})	1 V typical, 2 V max.

Current

Off-state leakage (I_{oh})	100 µA max.
On-state output (I_{ol})	100 mA max.

Turn-on Time 30 µsec max.

Turn-off Time 100 µsec max.

Isolation

Channel-to-channel, and system-to-system	300 V min.

Output Transient Protection

Reverse voltage protection diode and varistor suppression transient

Power Requirements ±5 V, ±5%, 1.62 A, typical

Warranty Information

The XVME-220 carries a two-year parts and labor warranty.

Environmental Specifications

Temperature

Operating	0º to 65º C (32º to 149º F)
Nonoperating	-40º to 85º C (-40º to 185º F)

Humidity 20% to 90% RH, non-condensing

Altitude

Operating	Sea level to 10,000 ft. (3048 m)
Nonoperating	Sea level to 40,000 ft (12192 m)

Vibration 5 to 2000 Hz

Operating	.015" (.38 mm) peak-to-peak displacement
	2.5 g (maximum) acceleration
Nonoperating	.030" (.76 mm) peak-to-peak displacement
	5.0 g (maximum) acceleration

Shock

Operating	30 g peak acceleration 11 msec duration
Nonoperating	50 g peak acceleration, 11 msec duration

VMEbus Compliance

- Complies with VMEbus Specification, IEEE 1014
- A24/A16:D16/D08(EO) DTB Slave
- Utility signals: SYSFAIL
- Conforms to Xycom Automation Standard I/O Architecture
- Form Factor: DOUBLE
  9.2" × 6.3" (233.68 mm × 160.02 mm)

Ordering Information

XVME-220	32 Channel Isolated Digital Output Module

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