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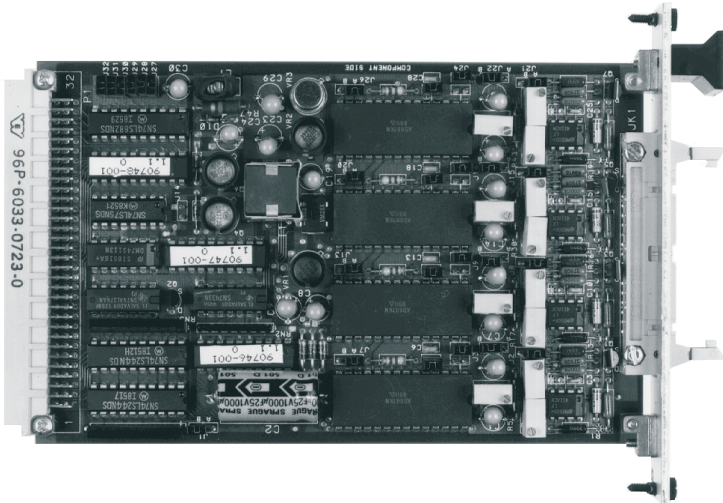
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XVME-505

4-Channel Analog Output Modules



The XVME-505 Analog Output module is a powerful, single-high, VMEbus-compatible I/O module, which can perform 12-bit D/A conversions. This module provides your VMEbus system with the capability of producing analog output over any of four independent channels. Each channel can be separately configured for a variety of voltage or current output options.

FEATURES

- Four independent analog output channels
- 12-bit resolution
- Voltage ranges of 0-5V, 0-10V, ± 5 V, ± 10 V
- Current output range from 4 to 20mA
- Fully compatible with analog devices
- 3B signal conditioning
- On-board DC/DC converter

APPLICATIONS

- Process control
- Machine control
- Display meters
- Loop controller setpoints

X Y C O M
V M E
Embedded products you can count on!

PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0 to 65°C	-40 to 85°C
Humidity	20% to 90% RH, non-condensing	20% to 90% RH, non-condensing
Altitude	Sea level to 10,000 ft. (3048 m)	Sea level to 40,000 ft (12192 m)
Vibration 5 to 2000 Hz	.015" (.38 mm) peak-to-peak displacement 2.5 g (maximum) acceleration	.030" (.76 mm) peak-to-peak displacement 5.0 g (maximum) acceleration
Shock	30 g peak acceleration 11 msec duration	50 g peak acceleration 11 msec duration

Hardware

Power	+5V (±5%): 1.9A, maximum / 1.6A, typical
Input channels	Four
Resolution	12 bits
Overall error	±0.5 LSB
Differential linearity	±1 LSB
Digital input coding	Binary, two's complement, offset binary
Voltage Output Characteristics	
Ranges	0-5V, 0-10V, ±5V, ±10V
Output current	5mA min.@ ±10 V
Settling time	7 µsec
Offset T.C.	5 ppm/°C
Gain T.C.	100 ppm/°C
Current Loop Characteristics	
Range	4-20mA, non-isolated
Compliance voltage	10 V @ 20 mA
Loop supply voltage	+15V to +30V
Settling time	50 µs
Load resistance range	50-500 W
Offset T.C.	75 ppm/°C
Gain T.C.	100 ppm/°C

VMEbus Compliance

- Complies with VMEbus specification, IEEE 1014
- A16:D16/D08(E0) DTB Slave
- Form factor - SINGLE 6.5" × 3.94" (165.1 mm × 100.01 mm)

ORDERING INFORMATION

Order Number	Description
XVME-505/2	4-channel analog output with 4-20mA current or voltage outputs

XycomVME, Inc.
710 N. Maple Rd.
Saline, MI 48176
Ph. 734.944.1942
Fax. 734.944.1999

XycomVME, Inc. a company of the



Web site: www.xycomvme.com

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