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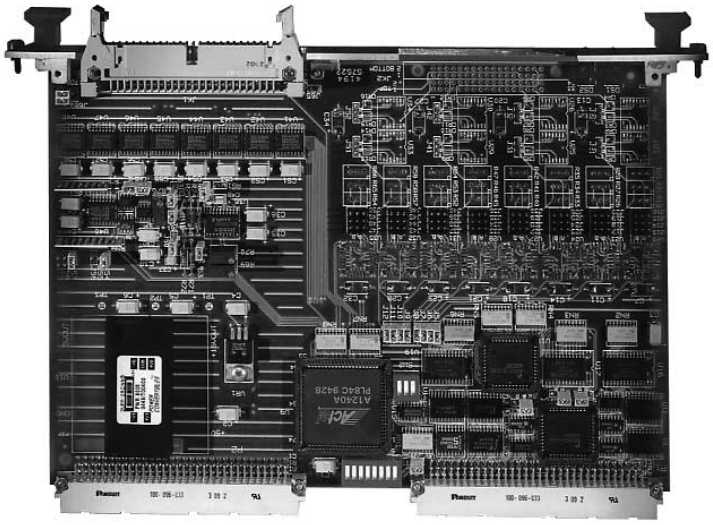
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Find the *Acromag / Xembedded / Xycom XVME-564* at our website: ***Click HERE***

XVME-564 Analog Input Module



The XVME-564 Analog Input Module is a powerful VMEbus-compatible analog input module that can perform 16-bit A/D conversions.

The XVME-564 contains 64 single-ended, 32 differential, or 64 pseudo-differential analog input channels. Input channels can be programmed to operate in one of five operating modes: random channel, sequential channel, single-channel, external-trigger, or autoscanning. Autoscanning may be performed across 8, 16, 32 or 64 channels. Individual channel gains are software programmable within one of three jumper-selected ranges.

The XVME-564 can sample unipolar and bipolar inputs, with voltage ranges of 0-5 V, 0-10 V, ±5 V, and ±10 V. Programmable gains of 1, 2, 4, 5, 8, 10, 20, 40, 50 or 100 may be software-selected.

FEATURES

- 64 single-ended or 32 differential 16-bit input channels
- 100 KHz throughput in single-channel mode
- 0.003% FSR accuracy in single-channel mode
- Easy to use autoscanning mode
- Software-programmable individual input gains
- Programmable interrupt timer

APPLICATIONS

- Slide wires
- Analytical equipment
- Microphones
- RTDs and thermistors
- Temperature transmitters
- Strain gauges and load cells
- Tach generators

XYCOM VME

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PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Non Operating
Temperature	0º to 65°C (32º to 149ºF)	-40ºC to 85°C (-40ºF to 185ºF)
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Altitude	Sea level to 10,000 ft. (3048 m)	Sea level to 40,000 ft (15240m)
Vibration 5 to 2000 Hz	.015" 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

Resolution	16 bits
Accuracy	• Single-channel mode: .003% FSR • All other modes: .006% FSR
Speed	• Conversion time: 10µsec • Settling time: 16µsec
Power	+5V (±5%): 1.9 A, maximum / 1.6 A, typical
Throughput	• Single-channel mode: 100KHz • Autoscanning mode: 62.5 KHz • All other modes: 38.5 KHz
Input Channels	Eight differential or sixteen single-ended
Number of Channels	• Single-ended: 64 • Differential: 32 • Pseudo-differential: 64
A/D Input Full Scale Voltage Ranges (G=1)	• Unipolar: 0-5V, 0-10V • Bipolar: ±5V, ±10V
Programmable Gain	• Range 1: 1, 2, 5, or 10 • Range 2: 4, 8, 20, or 40 • Range 3: 10, 20, 50, or 100
Maximum Input Voltage	• Power On: 44V • Power Off: 30V
Input Impedance	18 Mohm, min.
Bias Current	±200 pA, max.
Input Capacitance	100pF, max.
Operating Common Mode Voltage	-11V/+3V
External Trigger to Sample4	26µsec
Power Requirements	5V ±5%, 1.1 A typ.

VMEbus Compliance

- A24/16:D16 DTB Slave
- AM Codes 29, 2D, 39, 3D
- I(1)-I(7)(STAT)(Programmable Vector)
- BGXIN hardwired to BGXOUT
- Conforms to XycomVME Standard I/O Architecture

ORDERING INFORMATION

Order Number	Description
XVME-564	64 SE/32 DI/64 PDI Channel Analog Input

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Web site: www.xycomvme.com

XycomVME, Inc. a company of the 3Sixty group

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