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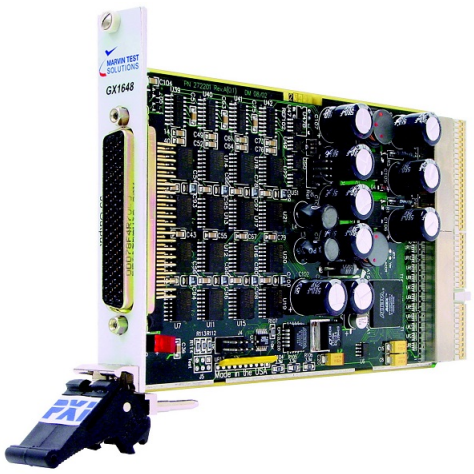
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GX1648

ANALOG OUTPUT PXI CARD

- 64 individual analog outputs
- 12-bit Resolution
- Output Range: -10 V to +10 V
- Output Current : ±10 mA per channel
- Simultaneous updating on all channels
- 3U PXI Instrument



DESCRIPTION

The GX1648 is a 3U PXI digital to analog output board is designed specifically for applications where multiple analog outputs are required. The GX1648 offers precision signal sourcing performance and quality at an economical price.

FEATURES

The GX1648 is organized as 4 groups of 16 channels. Each group is programmed and triggered independently. All groups can also be updated simultaneously. All channels provide single-ended voltage and are automatically at zero volts DC after reset to prevent inadvertent damage to external equipment.

PROGRAMMING AND SOFTWARE

The board is supplied with the GXAO software package that includes a virtual instrument panel, a Windows 32/64-bit DLL driver library and documentation. The virtual panel can be used to interactively program and control the instrument from a window that displays the instrument's settings and status. In addition, interface files are provided to support programming tools and languages such as ATEasy, LabView, LabView/Real-Time, C/C++, Microsoft Visual Basic®, Delphi, and Pascal. Help file and PDF User's Guide provides documentation that includes instructions for installing, using and programming the board.

A separate software package - GtLinux - provides support for Linux 32/64 operating systems.

APPLICATIONS

- Discrete avionics testing
- Automatic Test Equipment (ATE)
- Multiple DC source

POWER SUPPLIES

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GX1648

SPECIFICATIONS

Number of Output Channels	64
Output Voltage Range	-10 V to +10 V
Number of Ranges	4 (each group)
Selectable Output Voltage Ranges	0 - 10 V, ±10 V 0 - 5 V, ±5 V
Resolution	12-bit
Accuracy	3 mV ± 1 LSB
Slew Rate	0.5 V/μs
Settling Time	50 μs to 0.1%
Maximum Current per Channel	10 mA
Power Supply Current	3.3V, 100 mA (max) 5V, 2A typical, 6A (max) 12V, 10 mA (max)
Operating Temperature	0 °C to +55 °C
Storage Temperature	-20 °C to +70 °C
Size	3U PXI
Weight	12 oz
Connector	78-pin D-Type

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX1648	64 Channel 12-bit D/A, +/- 10V
ACCESSORY	
GT96002	Connector, D-type 78-Pin Maile with Crimp Pins
GT97102	3' harness, 78 pin male connector on one end, loose wires (numbered) other end
GT97103	1' harness, 78 pin male connector on one end, loose wires (numbered) other end
GT97104	1' harness, 78 pin male connectors on both ends
GT97106	1' harness, 50 pin male connector on one end, loose wires (numbered) other end
GT96107	3' harness, 78 pin male connector on Both ends
GT96078	78-Pin Connector to Screw Terminal Interface

POWER SUPPLIES

MARVIN TEST SOLUTIONS

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