

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Marvin Test Sets / Geotest GX1642* at our website: *Click HERE*

GX1642

ANALOG OUTPUT PXI CARD

- 64 individual analog outputs
- 12-bit Resolution
- Output Range: -20 V to +20 V
- Output Current : ±10 mA per channel
- Simultaneous updating on all channels
- 3U PXI Instrument



DESCRIPTION

The GX1642 is a 3U PXI digital to analog output board is designed specifically for applications where multiple analog outputs are required. The GX1642 offers precision signal sourcing performance and quality at an economical price.

FEATURES

The GX1642 is organized into groups of eight 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 0 V 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

STIMULI

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

GX1642

SPECIFICATIONS

Number of Output Channels	64
Number of Ranges	4 (each group)
Selectable Output Voltage Ranges	0 V to +10 V, 0 V to +20 V, ±10 V, ±20 V
Output Current per Channel	±10 mA (max)
Resolution	12-bit
Accuracy	3 mV ± 1 LSB
Slew Rate	0.5 V/μs
Settling Time	50 μs to 0.1%
POWER	
3.3 VDC	100 mA (max)
5 VDC	2 A (typ); 6 A (max)
12 VDC	10 mA (max)
ENVIRONMENTAL	
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

GX1642	64 Channel 12-bit D/A, +/- 20V
ACCESSORY	
GT96002	Connector, D-Type 78-Pin Male with Crimp Pins
GT97102	3' Harness, 78-Pin Male Connector on One End, Loose Wired (Numbered) Other End
GT97103	1' Harness, 78-Pin Male Connector on One End, Loose Wired (Numbered) Other End
GT97104	1' Harness, 78-Pin Male Connector on Both Ends
GT96107	3' Harness, 78-Pin Male Connector on Both Ends
GT96078	78-Pin Connector to Screw Terminal Interface
GX96105	6' harness, 78 pin male connector on one end, loose wires (numbered) on other end
GX96106	6' Harness, 78 Pin Male Connector on Both Ends
GX98302	3U "Wireless" Scout Adapter for GX6138/GX6125/GX6377/GX6384/GX1648 (200-Pin Connector)

MARVIN TEST SOLUTIONS

Copyright © Marvin Test Solutions, Inc. All rights reserved. Product and company names listes are trademarks of their respective companies.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP