

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

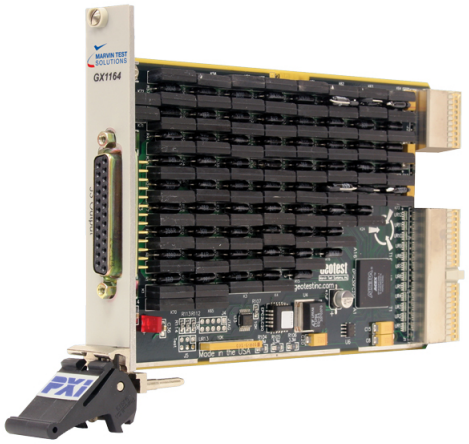
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

GX1164 SERIES

PROGRAMMABLE RESISTOR PXI BOARD

- 4 or 8 Programmable Resistor channels
- Multiple configurations available for range and resolution
- On-Board EEPROM for storing application specific calibration data
- Hybrid slot compatible



DESCRIPTION

The GX1164 is a 3U PXI programmable resistor module with 4 channels of 16 resistors each or 8 channels of 8 resistors each. The module is available in various resistance ranges and resolutions. When used in the 4-channel configuration, each channel can simulate resistances with the following ranges:

- 0.25 to 16 k
- 0.5 to 32 k
- 1 to 64 k
- 2 to 128 k
- 4 to 256 k
- 8 to 512 k

FEATURES

The GX1164 can be used in multiple configurations including an 8 channel, 4 channel, two channel, 1 channel or 2 channel potentiometer with wiper configuration.

The GX1164 includes an on-board EEPROM that contains calibration data. The EEPROM can also be used to "personalize" the GX1164 for custom resistance ranges and resolutions.

PROGRAMMING AND SOFTWARE

The board is supplied with the GXPRES software, a software package that includes a virtual instrument panel, and 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 current settings and status. In addition, interface files are provided to support access to programming tools and languages such as ATEasy, LabView, LabView/Real-Time, C/C++, Microsoft Visual Basic®, Delphi, and Pascal. An On-Line 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

- ATE systems
- Event timing measurements
- Sensor simulation and emulation
- Automated calibration and alignment

PXI INSTRUMENTS

GX1164 SERIES

SPECIFICATIONS

RESISTOR CHANNELS	
Number of Channels	4
Channel Resistance Ranges	0.25 to 16 k 0.5 to 32 k 1 to 64 k 2 to 128 k 4 to 256 k 8 to 512 k.
Resolution	0.25 , 16 K range 0.5 , 32 K range 1 , 64 K range 2 , 128 K range 4 , 256 K range 8 , 512 K range
Accuracy	±(1% of programmed value + resolution)
Current	0.5 A (max) per channel
Voltage	200 V (max) per channel
Power	0.5 W (max) per channel
Power Requirements 3.3 V 5 V	 300 mA (max) 600 mA (max)
PHYSICAL	
Size	3U PXI
Weight	1 lb
Operating Temperature	0 °C to +55 °C
Humidity (Non-Condensing)	20% to 95%
CALIBRATION	
Calibration Interval	2 years

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX1164	Programmable Resistor Card. 4 Channels 1 Ohm to 64 KOhm, 1 Ohm Resolution
GX1164-0.25	Programmable Resistor Card. 4 channels 0.25 Ohm to 16 KOhm, 0.25 Ohm Resolution
GX1164-0.5	Programmable Resistor Card. 4 Channels 0.5 Ohms to 32 KOhms, 0.5 Ohm Resolution
GX1164-2	Programmable Resistor Card. 4 Channels 2 Ohm to 128 KOhm, 2 Ohm Resolution
GX1164-2M	Programmable Resistor Card. 4 Channels 2 Ohm to 128 KOhm, 2 Ohm Resolution (Ruggedized and Conformally Coated)
GX1164-4	Programmable Resistor Card. 4 Channels 4 Ohm to 256 KOhm, 4 Ohm Resolution
GX1164-8	Programmable Resistor Card. 4 Channels 8 Ohm to 512 KOhm, 8 Ohm Resolution
ACCESSORY	
GX91801	25 Pin Male Mating Connector for GX1838/GX1164/GX7404
GX91802	25 Pin Male Mating Connector for GX1838/GX1164/ GX7404 with a 3 ft Unterminated Harness
GX91803	3 feet harness for GX1838/GX1164/GX7404, 25 pin male/female connectors on both ends
CALIBRATION	
GX1164-CAL	GX1164 Calibration/Verification Service. 2 year calibration cycle. Includes pre-verification data (post calibration data provided if applicable)
GX1164-CAL-2	GX1164 Calibration/Verification Service - 2 Years. Calibration Cycle is Every Two Years. Includes pre-verification data (post calibration data provided if applicable)
GX1164-CAL-4	GX1164 Calibration/Verification Service - 4 Years. Calibration Cycle is Every Two Years. Includes pre-verification data (post calibration data provided if applicable)
GX1164-CAL-6	GX1164 Calibration/Verification Service - 6 Years. Calibration Cycle is Every Two Years. Includes pre-verification data (post calibration data provided if applicable)
CalEasy-GX1164	CalEasy for the GX1164 (Single User License) with One Year Support and Subscription
GT96112	GX1164 Calibration Cable Assembly

PXI INSTRUMENTS

MARVIN TEST SOLUTIONS

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

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