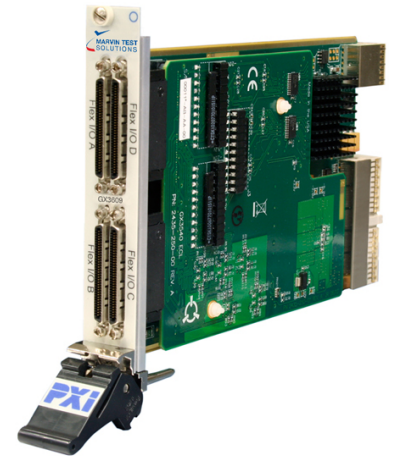


GX3609



3U FPGA PXI CARD WITH 80 TTL DIFFERENTIAL CHANNELS MODULE (GX3500 & GX3509)

- PXI FPGA card with 80 channel, differential TTL buffers
- Read / Write control via a software front panel or API
- Direction control configurable on a per pin basis
- PXI hybrid slot compatible



DESCRIPTION

The GX3609 is a 3U PXI FPGA card with 80 TTL differential channels. The GX3609 is comprised of a GX3500 FPGA card and the GX3509, 80 channel, differential TTL expansion card.

PROGRAMMING AND SOFTWARE

The board is supplied with the GXFPGA library, 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

- Automatic Test Equipment (ATE) and Functional Test
- Data Acquisition
- Process Control
- Factory Automation

GX3609



SPECIFICATIONS

GX3500 FPGA CARD WITH GX3509 DIFFERENTIAL TTL EXPANSION BOARD	
Number of Channels	80 I/O signals. Direction is configurable by software on a per pin basis
Logic Family	Differential TTL, RS-422 & RS-485 compatible
Data Rate	100 Mb/s (max)
Driver Output Current	±60 mA (sink or source) (max)
Differential Output Voltage	1.5 V (min); 6 V (max) (no load)
Receiver Input Current	+20 µA / -100 µA
Differential Input Voltage	±12 V (max)
Power On State	All channels are configured as inputs
ENVIRONMENTAL	
Operating Temperature	0 °C to +50 °C
Storage Temperature	-20 °C to +70 °C
Relative Humidity (operating)	5% to 80% RH, non-condensing Dew point -5°C - 20°C
Relative Humidity (non-operating)	5% to 95% RH, non-condensing 30°C max
Altitude (operating)	Up to 2000 M
CE Compliance	EN61010-1 EN61326
Size	3U PXI
Weight	200 g

Note: Specifications are subject to change without notice

GX3609



ORDERING INFORMATION

GX3609	3U FPGA PXI Card, Differential TTL, 80 Differential Channels (GX3500 & GX3509)
ACCESSORY	
GT95034	4 ft. Shielded cable with 68 Pin SCSI connectors for GX3611 / GX3610 / GX3609
GT95034-6	6 ft. Shielded cable with 68 Pin SCSI connectors for GX3611 / GX3610 / GX3609
GT95015	Connector Interface for all 5xxx/35xx, SCSI to 100 Mil Grid, Differential

GX3609



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FPGA

