

# GX6062



## RF SWITCHING PXI CARD

- Multiple switching configurations
- Hi-density RF switching
- 200 MHz bandwidth
- 12 Groups of 1 x 4



## DESCRIPTION

The GX6062 is a high-density 6U PXI RF switching card that provides 200MHz bandwidth and multiple switching configurations. The GX6062 has 12 groups of 1 x 4 differential, non-terminated RF multiplexers. The 12 groups can be used to create multiple configurations including: 6 x 1:9, 3 x 1:19, 2 x 1:29, 1 x 1:59, and more. The GX6062 switching card plugs directly into any 6U PXI chassis.

## FEATURES

The GX6062 consists of 12 switching groups. In each group, each channel can be connected to any of the other four channels within its group. Additional relays connect adjacent groups. Using these additional relays, larger groups such as a 2 x 1:29, 1 x 1:59, can be configured.

## PROGRAMMING AND SOFTWARE

The board is supplied with the GXSW 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)
- RF Communications
- Engineering verification
- Parametric measurements
- High-density switching systems

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## SPECIFICATIONS

Relay Contact Resistance	<0.2
Maximum Switchable Voltage	200 VDC
Maximum Switchable Current	0.5 A
Operating Time	6 ms
Release Time	3 ms
Number of channels	12 x 1:4 (60 channels)
Bandwidth	200 MHz
Impedance	50
Insertion Loss	0.7 dB at 100 MHz
Crosstalk Across Groups	10 MHz < -40 dB 100 MHz < -40 dB 200 MHz < -35 dB
Isolation Between Channels	10 MHz < -40 dB 100 MHz < -40 dB 200 MHz < -35 dB

Note: Specifications are subject to change without notice

## ORDERING INFORMATION

<b>GX6062</b>	RF multiplexer, 12 Groups of 1 x 4, 200MHz Bandwidth
<b>ACCESSORY</b>	
<b>GX96403</b>	Mating Coax Connector and 20 Coax Pins
<b>GX96404</b>	Mating Coax Connector and 20 Coax Pins Crimped (One End) to 3 Foot Wires (aka GT96404)
<b>GX96404-60</b>	Mating Coax Connector with 20 Coax Pins Crimped (One End) to 5 Foot Wires
<b>GX96405</b>	Mating Coax Connector and 20 Coax Pins Crimped (Both Ends) to 3 Foot Wires
<b>GX96405-60</b>	Mating Coax Connector and 20 Coax Pins Crimped (Both Ends) to 5 Foot Wires
<b>GT96406</b>	Mating Coax Connector with 20 Coax Pins Crimped to 3 Foot Wires with BNC Connectors
<b>GX96407</b>	MMS Pin Extraction Tool
<b>GX96408</b>	Burndy Pin Extraction Tool
<b>GX96409</b>	Mating Coax Connector, No Pins
<b>GX96410</b>	Coax Connector Pin for GX96409, package of 20
<b>GX96411</b>	One 3 Foot Coax Wire with a Coax Pin Crimped on One End
<b>GX96412</b>	One 3 Foot Coax Wire with a Coax Pin Crimped on One End and BNC on Other End