

# GX6062 SERIES

## PXI RF SWITCHING CARD

- Multiple switching configurations
- Hi-density RF switching
- 200MHz bandwidth
- 12 Groups of 1x4 switches



## FEATURES

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 1x4 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, 1x1:59, and more. The GX6062 switching card plugs directly into any 6U PXI chassis.

## ARCHITECTURE

The architecture of 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 2x1:29, 1x1:59, can be configured.

## SOFTWARE

The GX6062 is supplied with a software package that includes a virtual panel, driver, and on-line documentation.

The virtual panel can be used to interactively control the module from a window that displays and changes switch settings.

The driver provides a library of functions that are used to control and change the module's settings from within your application. The instrument driver is compatible with Windows operating systems (32-bit DLL). In addition to the library, various interface files

provide access to the library from your favorite programming tools and languages. These interface files support ATEasy, Microsoft and Borland C/C++, Microsoft Visual Basic, Borland Delphi and other application development environments.

## APPLICATIONS

- Automatic Test Equipment (ATE)
- RF communications
- Engineering verification
- Parametric measurements
- Hi-Density switching systems

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## SPECIFICATIONS

RELAY CONTACT RESISTANCE	<0.2Ω
MAXIMUM SWITCHABLE VOLTAGE	200VDC
MAXIMUM SWITCHABLE CURRENT	0.5A
OPERATING TIME	6mSec
RELEASE TIME	3mSec
NUMBER OF CHANNELS	12 x 1:4 (60 channels)
BANDWIDTH	200MHz
IMPEDANCE	50 ohms
INSERTION LOSS	0.7dB at 100MHz
CROSSTALK ACROSS GROUPS	10MHz < -40dB 100MHz < -40dB 200MHz < -35dB
ISOLATION BETWEEN CHANNELS	10MHz < -40dB 100MHz < -40dB 200MHz < -35dB

Note: Specifications are subject to change without notification.

## ORDERING INFORMATION

<b>GX6062</b>	6U PXI RF Switching Card
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