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Find the *Marvin Test Sets / Geotest GX7000* at our website: *Click HERE*

Features



(Click for larger image)
GX7000

- Accommodates 19 PXI or CompactPCI instruments (3U or 6U)
- Expandable to accommodate additional PXI/cPCI instruments using MXI-3
- Accommodates PXI/cPCI instruments from ANY vendor
- Desktop and Rack-Mount configurations
- Front-loading mechanism similar to VXI
- Dual power supplies with 640 W of power (800 W optional)
- UUT Interfacing options

The GX7000 is a 20 slot PXI chassis that can accommodate up to 19 instruments and an embedded slot-1 controller (an embedded CPU or a PXI bus expander interface such as MXI-3).

With a rugged design, front-loading of instrumentation, dual power supplies, built-in peripherals, and interfacing options, the GX7000 can tackle any automatic test equipment (ATE), data acquisition, and process control applications.

PXI has emerged as the new test standard for the 21st century. The 6U form-factor provides for the necessary real-estate required by high-end and high-density test instrumentation while allowing 3U PXI and CompactPCI (cPCI) instruments to be used as well.

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With several hundred manufacturers producing PXI and cPCI instruments, there are thousands of PXI and cPCI instruments that can be used in the GX7000 to accommodate the requirements of any test application, from DC to RF and from analog to digital and mixed signal.

Applications

- Automatic Test Equipment (ATE)
- Data Acquisition
- Process Control
- Production Test
- Scientific Applications
- Industrial Systems

Advantages

In the 90's, the PC has established itself as the de-facto standard platform for test and instrument control applications. Howe personal computers were originally designed for use as office equipment, not for industrial applications. As a result, the deskt presents a handful of mechanical and electrical handicaps when utilized in an industrial environment or the production floor.

The GX7000 is designed to fully comply with the PXI bus specifications, allowing the high-end and high-density 6U instrume used with the smaller 3U instruments as well as any CompactPCI instrument.

Configuration

The GX7000 is a rugged, high-performance chassis that accommodate 19 PXI or cPCI instruments. It is the only PXI chassi world with built-in peripherals that include a hard drive, floppy drive, and a CD ROM drive.

Slot 1 is dedicated to the system controller (embedded or external, using a PXI bus expander), slot 2 can be used by a PXI S Controller, Slots 3-15 support the PXI Star Trigger, and Slots 16-20 accommodate PXI or cPCI instruments without the Star T

Power

The GX7000 provides 640 W of power (800 W optional) with the following power ratings

- 3.3 V @ 40 A
- 5 V @ 64 A
- 12 V @ 22 A, -12 V @ 2 A

Cooling

The GX7000 provides forced-air cooling generated by four (4) 40 CFM fans mounted under the card cage providing positive ai according to the PXI specifications. This cooling configuration provides the optimum cooling for the chassis regardless of the number of instruments used. Additional cooling is provided for the power supplies.

Specifications

Slots	20 PXI or cPCI Slots (19 instruments max)
Clock	Integrated 10 MHz PXI clock
Power Supply	640 W total available power (800 W optional)
Cooling	Forced-air cooling (200 CFM)

Ordering Information

GX7000	20-Slot, 6U PXI Chassis with built-in Peripherals
GX7010	20-Slot, 6U PXI Chassis
GX7000-800	20-Slot, 6U PXI Chassis with built-in Peripherals, 800 W
GX7010-800	20-Slot, 6U PXI Chassis, 800 W



To place an order or obtain additional information, call **1-888-TEST-BY-PXI (1-888-837-8297)**.

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