

GX7103

3U/6U COMBINATION PXI CHASSIS

- Slots for one 6U (embedded) or 3U (remote) PXI controller, six 6U or 3U instruments, and seven 3U instruments
- Compatible with PXI/cPCI
- PXI 2.1 compliant
- Built-in peripherals (removable hard disk drive, floppy disk drive, and a CD-ROM or CD-RW drive)
- Removable power supply or dual redundant power supplies (GX7103-2)
- Innovative forced-air cooling controlled by embedded chassis temperature maintainer
- Cable tray, recessed card cage, and hinged front panel for mass interconnect devices



DESCRIPTION

The GX7103 is a 14-slot combination chassis that accommodates 3U and 6U PXI controllers and instruments in 4U of rack space. The GX7103's unique format includes seven 3U only slots and seven 3U/6U slots arranged horizontally to reduce the overall size of the chassis, providing the versatility and high-density necessary to address many PXI applications and requirements.

FEATURES

The GX7103 offers a full range of features including a removable power supply and removable hard disk. With the removable power supply, either a single 400W or dual redundant 400W power supplies (GX7103-2) are available. Power specifications are in compliance with the PXI Hardware Specification 2.1.

The GX7103 also provides an innovative forced-air cooling system generated by eight (8) 20 CFM fans controlled by built-in temperature sensors. The fans provide airflow according to PXI revision 2.1 specifications. This cooling configuration provides optimum cooling for the chassis regardless of the type or number of instruments used; the power supply has independent cooling.

The GX7103 addresses applications where mass interconnect devices are required. The PXI instruments are housed in a 2" recessed card cage and a hinged front panel provides an additional 2.75" space for wiring. The modular hinged front panel accommodates mass interconnect devices such as Virginia Panel Click™, MacPanel MPX, ITT Cannon, and circular military connectors. The GX7102 also provides the peripheral devices included in the GX7100 for applications using embedded controllers.

CONFIGURATION

Slot 1 (6U) is dedicated to the system controller (embedded or remote, using a PXI bus expander). Slot 2 can be used by a PXI Star Trigger Controller or by any PXI or cPCI instrument. Slots 3-14 support the PXI Star Trigger.

APPLICATIONS

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

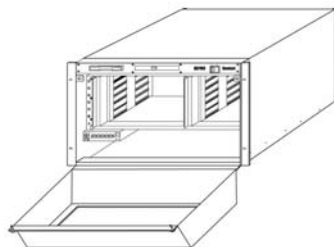
GX7103

SPECIFICATIONS*

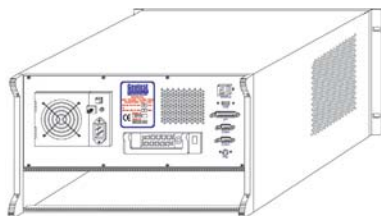
GX7100 / GX7110	
INPUT AC POWER	110VAC@ 4A, 50/60Hz 220VAC @ 3A, 50/60Hz
TOTAL AVAILABLE DC POWER	450W
+5V +3.3V +12V -12V	35A (Max) 36A (Max) 8A (Max) 4A (Max)
WEIGHT	30lbs
DIMENSIONS	4U (7") H x 17.6" W x 16" D
COOLING	Eight 20CFM fans for instruments. Additional fan for power supplies
CLOCK	Integrated 10MHz PXI clock Optional external clock via slot 2
SLOTS	14 PXI or cPCI Slots: Seven dedicated 3U instrument slots Seven 3U/6U instrument slots
ENVIRONMENTAL TEMPERATURE RANGE	
OPERATING	0°C to 55°C
STORAGE	-20°C to +85°C

*Specifications are subject to change without notification.

Front Panel of GX7103



Rear Panel of GX7103



ORDERING INFORMATION

GX7103	PXI Master Combo Chassis with removable hard drive and power supply, an integrated Cable Tray, and a Hinged front panel for Mass Interconnect (rack mount configuration with handles)
GX7103-2	PXI Master Combo Chassis with removable hard drive and dual redundant power supplies, an integrated Cable Tray, and a Hinged front panel for Mass Interconnect (rack mount configuration with handles)
PXI CONTROLLERS (EMBEDDED & REMOTE)	
GX7910-22512	CPU Plug-in Controller for GX7100, GX7102 & GX7002. 2.2GHz P4/512MB
GX7910-24512	CPU Plug-in controller for GX7100 & GX7002. 2.4GHz P4/512MB
GX7910-17512E	CPU Plug-in controller for GX7x00. 1.7GHz P4/512MB, Extended Temperature
GX7990	PXI Bus Expander for GX7010 & GX7110, PCI to PXI. Two card set with a 5 ft cable
GX7990-1	PXI Bus Expander for GX7010 & GX7110, PXI to PXI. Two card set with a 5 ft cable
GX7992	PXI Bus Expander, PCI to PXI. Two card set (requires one GX974xx cable)
GX7992-1	PXI Bus Expander, PXI to PXI. Two card set (requires one GX974xx cable)
PXI CHASSIS & CONTROLLER ACCESSORIES	
GX97100	Rack mount kit for GX7100 chassis
GX97103	Rack mount with Handles GX7100 chassis
GX97005	3U to 6U Panel Adapter (allows a 3U instrument to fit into a 6U chassis)
GX97011	6U Blank Panel, 1-Slot wide
GX97012	6U Blank Panel, 2-Slots wide
GX97014	6U Blank Panel, 4-Slots wide
GX97111	3U Blank Panel, 1-Slot wide
GX97112	3U Blank Panel, 2-Slots wide
GX97114	3U Blank Panel, 4-Slots wide
GX7100-CDRW	Upgrade any GX7xxx CD-ROM drive to CD-RW drive
GX97406	6ft (2 meters) cable for GX7992 and GX7992-1
GX97415	15ft (5 meters) cable for GX7992 and GX7992-1
GX97430	30ft (10 meters) cable for GX7992 and GX7992-1
PXI-INT1	Integration service for PXI instruments