

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

GX7930 SERIES

EMBEDDED PXI CONTROLLERS

- 3U embedded PXI controllers for use with GX7300 Series PXI chassis
- Intel Pentium® M 1.4 GHz processor
- 512 MB RAM
- On-board high performance 855GME graphics accelerator
- On-board Gigabit Ethernet
- USB and COM ports
- Extended operating temperature range option



FEATURES

The GX7930 is a single-slot embedded PXI 3U controller for use with Geotest's GX7300 PXI chassis. The GX7930 is available with various memory configurations and supports a broad range of peripherals. When combined with the embedded storage peripherals of the GX7300 Series chassis, it is the ideal solution for an integrated PXI chassis / controller configuration.

CONFIGURATION

The GX7930 controllers support multiple peripherals and I/O interfaces through either the PXI controller front panel or the rear I/O panel of the GX7300 Series. Connection to the DVD-RW drive and hard drive is via the controller's internal I/O interface. The controller's front panel I/O is provided with a factory default configuration and is fully functional in any PXI or cPCI chassis.

The GX7930 embedded system controller adheres to the PXI and cPCI specifications and is PICMG 2.0 Rev. 3.0 compliant

APPLICATIONS

- GX7300 Series PXI chassis

GX7930 SERIES

SPECIFICATIONS

PROCESSOR AND MEMORY	
CPU	Intel Pentium® M Processor •1MB/2MB L2 cache •400 MHz PSB •479-pin micro FCPGA package
MEMORY	
MAIN MEMORY	•Up to 1 GB soldered DDR SDRAM memory
OTHER MEMORY	• 1 MB FWH for BIOS • 8 Kbyte EEROM for CMOS data storage (no battery operation)
EXTERNAL INTERFACES	
CompactPCI BUS INTERFACE	Compliant with CompactPCI sepcification PICMG 2.0 R3.0 •System master operation •64-bit /33 MHz master interface •3.3 V/5.0 V compatible (default is 5.0 V)
PERIPHERAL I/O PORTS	
COM1 AND COM2	•Dual UART, 16C550 compatible, RS-232 •Rear I/O only
USB INTERFACE	Four USB 2.0 ports supporting UHCI and EHCI: •Two USB type connectors on the front panel •Two rear I/O interfaces
ETHERNET INTERFACE	•10/100/1000 MB/s Gigabit Ethernet interface based on the Intel 82540EM (Kernal-32) Ethernet PCI bus controller: •One 10/100 BASE-T Ehternet interface based on the Intel 82801DB controller (front and rear I/O connection)
INTERNAL INTERFACES	
VGA INTERFACE	Built-in Intel 3D graphics accelerator for enhanced graphics performance: •Supports resolutions of up to 2048x1536 by 8-bit at 60 Hz refresh rate •Flexible allocation of video memory up to 64 MB •15-pin D-sub VGA CRT-display connector with analog video signals
COMPACT FLASH	•CompactFlash type II socket (true IDE mode) •Supports type II CompactFlash cards and IBM Microdrive™
MONITOR AND CONTROL	
WATCHDOG	Software configurable Watchdog generates IRQ, NMI, or hardware reset.
SYSTEM MONITOR	LM87 hardware monitor supervision of: •System power voltages: +12 V, -12 V, +5 V, +3.3 V, and VCORE, thermal control, fan sense (external input)

ENVIRONMENTAL	
MECHANICAL	3U, 4HP, CompactPCI/PXI compliant form factor
OPERATING TEMPERATURE	0° C to 60° C -40° C to 85° C (optional –extended operating range)
STORAGE TEMPERATURE	-55° C to 85° C
HUMIDITY	93% RH at 40° C, non-condensing
PHYSICAL	
MECHANICAL	3U PXI
DIMENSIONS	100mm x 160 mm
WEIGHT	300 g

GX7930 SERIES

INTERFACE	FRONT	REAR*	COMMENTS
Serial (RS-232)		2	
USB	2	2	—
Ethernet (10/100 Base T)	1	1	
Gigabit Ethernet (1000 Base T)	1	—	—
VGA	1	—	—
IDE	—	—	2 (Used internally by the chassis)

*Rear panel connections located on the GX7300 chassis

Note: Specifications are subject to change without notice.

ORDERING INFORMATION

PXI EMBEDDED CONTROLLERS*	
GX7930-14512	PXI controller for GX7300 Series 1.4 GHz, Pentium M, 512 MB RAM

*Call Geotest for additional configurations for applications requiring different speed

Geotest Marvin Test Systems,Inc.

Copyright © Geotest - Marvin Test Systems, Inc. All rights reserved. Products and company names listed are trademarks of their respective companies. Revision B

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP