GX7927 SERIES

6U I7 PXI CONTROLLER

- 6U cPCI/PXI controller for use with GX70xx & GX71xx Series chassis
- Intel Core i7 Processor, 2.53 GHz
- 4 GB RAM
- On-board 10/100/1000 Ethernet, USB & COM ports
- (2) PMC/XMC slots

FEATURES

The GX7927 is a single-slot 6U controller for use with Marvin Test Solutions' GX70xx and GX71xx series chassis. The GX7927 offers multiple peripheral connections including USB, Ethernet, COM and VGA. When combined with the embedded storage peripherals of the GX70xx and GX71xx Series chassis, it is the ideal solution for a compact, high performance, and integrated PXI chassis / controller configuration. Additional flexibility is provided by the two front panel accessible PMC / XMC slots, which can accommodate a variety of interfaces and functions for specific applications or needs.

CONFIGURATION

The GX7927 controller supports multiple peripherals and I/O interfaces through either the controller's front panel or the rear I/O panel of the GX70xx or GX71xx Series chassis. 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 supports VGA, one USB 2.0 port, two Gigabit Ethernet ports and one COM 3 port. Additional USB, VGA, COM and Ethernet connections (chassis model dependent) are available on the rear panel of the GX70xx and GX71xx chassis via the controller's rear I/O interface. The GX7927 features two PMC / XMC slots which support 64-bit PCI, 133 MHz in PCI-X mode or PCI Express x8 (Gen2, 2.5 Gb/s) for XMC applications.

OPERATING SYSTEM

The GX7927 series controller ships standard with Windows 7 Pro operating system. Please note that Windows XP Pro operating system is also available for this series, and should be specified when ordering.

APPLICATIONS

- GX70xx chassis controllers
- GX71xx chassis controllers

CHASSIS AND CONTROLLERS

MARVIN TEST SOLUTIONS

GX7927 SERIES

SPECIFICATIONS

PROCESSOR AND MEMORY	
CPU	Intel CoreTM i7 Processor, 2.53 GHz • 4 MB L2 cache • 1066 MHz memory
Main Memory	• 4 GB SDRAM (DDR3) • Up to 8 GB available (special order)

EXTERNAL INTERFACES	
Compact PCI Bus Interface	Compliant with CompactPCI specification PICMG 2.0 R3.0

PERIPHERAL I/O PORTS	
USB Interface	Four USB 2.0 ports: • One USB, front panel • Three rear I/O interface connections, dependent on chassis rear panel configuration
Ethernet Interface	• Two 10/100/1000 MB/s Ethernet ports (front panel) • Two 10/100/1000 MB/s Ethernet ports (rear), dependent on chassis rear panel configuration
COM Interface	• One COM interface (front panel) via HarLink connector • Two COM interfaces (rear panel), dependent on chassis rear panel configuration
VGA Interface	Intel 3D graphics and memory controller: • Front VGA interface via HarLink connector • Rear VGA connection via rear I/O interface, dependent on chassis rear panel configuration

PHYSICAL AND ENVIRONMENTAL	
Mechanical	6U, 1 slot wide, CompactPCI/PXI compliant form factor
Operating Temperature	0 °C to +55 °C
Storage Temperature	-40 °C to +85 °C
Humidity	5% to 95%, @ +40 °C

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX7927-2534096	6U Single-Slot 2.53 GHz i7 Controller with 4 GB of Memory, Includes PMC/XMC 2 Site, 2GE, VGA, USB & COM port (FP).
GX7927-2534096E	6U Single-Slot 2.53 GHz i7 Controller with 4 GB of Memory, Includes PMC/XMC 2 Site, 2GE, VGA, USB & COM Port (FP) Extended Temp

ACCESSORY	
GX7927-COM	Harlink COM Cable for GX7927 Controller
GX7927-VGA	Harlink VGA Cable for GX7927 Controller

Note: The GX7927 Series is supplied by a 3rd party and resold by Marvin Test Solutions.