

GX7937



3U I7 CORE 2.3 GHZ cPCI CONTROLLER

- 3U embedded cPCI controller for use with GX7300 Series PXI chassis
- Intel i7 Quad Core 2.3 GHz processor
- On-board Gigabit Ethernet
- (2) USB ports on front panel
- NOT RECOMMENDED FOR NEW DESIGNS - SEE GX7938 and GX7939



*****PRODUCT AVAILABILITY*****

NOT RECOMMENDED FOR NEW DESIGNS

Please contact the factory for availability and alternate product offerings.

FEATURES

The GX7937 is a single-slot embedded cPCI 3U controller for use with Marvin Test Solutions' GX7300 PXI chassis. The GX7937 features a 2.3 GHz i7 Quad Core processor. When combined with the embedded storage peripherals of the GX7300 Series chassis, it is the ideal solution for an integrated, high performance PXI chassis / controller configuration.

CONFIGURATION

The GX7937 controller supports multiple peripherals and I/O interfaces through either the controller's front panel or the rear I/O panel of the GX7300 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 is provided with a factory default configuration and is fully functional in any PXI or cPCI chassis.

The GX7937 embedded system controller is compliant with the CompactPCI Core Specification PICMG 2.0 Rev. 3.0 and is compatible with the PXI-1 Rev. 2.2 specification.

APPLICATIONS

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

GX7937



SPECIFICATIONS

PROCESSOR AND MEMORY	
CPU	Intel® Core® i7-3615QE, Quad Core 2.3 GHz Processor 6 MB cache 1066 / 1333 / 1600 MHz memory bus
Main Memory	4 GB soldered DDR3 DRAM memory
Other Memory	64 Mbits of boot Flash 2 kbits EEROM for factory settings
EXTERNAL INTERFACES	
CompactPCI Bus Interface	Compliant with CompactPCI specification PICMG 2.0 R3.0 System master operation 32-bit / 33 MHz master interface V(I/O): 3.3 V (+5 V tolerant)
Peripheral I/O Ports	
USB Interface	Two USB 2.0 ports via Series A connectors on the front panel One USB 2.0 port on rear panel of chassis
Ethernet Interface	Two 10/100/1000 MB/s Ethernet interface ports on the front panel One 10/100/1000 MB/s Ethernet interface port on rear panel of the chassis
GRAPHICS INTERFACE	
VGA Interface	Maximum resolution: 2048 x 1536 pixels 15-pin D-sub VGA connector on front panel
MASS STORAGE	
CompactFlash	Connected via USB
MicroSD Card	Connected via USB
Serial ATA (SATA)	Accessible via rear panel connection on the chassis (option) Transfer rates of 3 or 6 Gb/s, RAID level 0/1/5/10 support
SUPPLY VOLTAGE / POWER CONSUMPTION	
+5 V	9.8 A (typ)
+3.3 V	1.4 A
+12 V	10 mA

ENVIRONMENTAL AND MECHANICAL

Dimensions	3U, 4HP, CompactPCI/PXI compliant form factor
Weight	430 g
Operating Temperature	0 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Humidity (Operating & Storage)	95% RH max, non-condensing
Shock	50 m/s ² , 30 ms
Vibration (Sinusoidal)	7.9 m/s ² 5 to 150 Hz

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX7937-234096	3U Single Slot Embedded Controller for GX73xx chassis, 2.3 GHz i7 core, 4 GB of RAM
OPTION	
GX7900-W7	Upgrade any GX79xx from Windows XP to Windows 7 Operating Systems (32-bit)

Note: The GX7937 is supplied by a 3rd party and resold by Marvin Test Solutions.