

GX7938



3U INTEL 6-CORE XEON 2.7 GHZ cPCI EMBEDDED CONTROLLER

- 3U Embedded cPCI Controller
- 8th Gen Intel Xeon 6-Core 2.7 GHz Processor
- 32 GB DDR4 Memory
- 1 TB Solid State Drive (SSD)
- (2) Front Panel USB Ports
- (2) Front Panel Gigabit Ethernet Ports
- (1) Front Panel VGA Connection
- Support for GX7300 / GX7800 Series PXI chassis



FEATURES

The GX7938 is a single-slot embedded cPCI 3U controller for use with Marvin Test Solutions' GX7300 and GX7800 Series PXI chassis. The GX7938 features an 8th generation 2.7 GHz 6-Core Xeon processor, 32 GB of DDR4 memory and a 1 TB SSD, making this the ideal solution for an integrated, high performance PXI chassis / controller configuration.

CONFIGURATION

The GX7938 controller supports multiple peripherals and I/O interfaces through the controller's front panel. The controller's front panel I/O is provided with (2) Gigabit Ethernet connections, (2) USB 2.0 ports and a VGA video connection ideal for operation in a PXI or cPCI chassis.

The GX7938 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

GX7938



SPECIFICATIONS

PROCESSOR AND MEMORY	
CPU	Intel® Core® i i7-3615QE, Quad Core 2.3 GHz Processor, 12 MB Cache
Main Memory	32 GB DDR4 SDRAM memory
Other Memory	32 MB BIOS flash 64 kbit EEPROM
CPCI INTERFACE	
CompactPCI Bus Interface	32-bit, 66 MHz V(I/O): 3.3 V or +5 V (universal signaling support) Compliant with CompactPCI specification PICMG 2.0 R3.0 (core) Compliant with CompactPCI specification PICMG 2.1 R2.0 (hot swap)
PERIPHERAL I/O PORTS	
USB Interface	(2) USB 2.0 ports - front panel
Ethernet Interface	(2) 10/100/1000 MB/s Ethernet interface ports - front panel
GRAPHICS INTERFACE	
VGA Interface	(1) 15-pin D-sub VGA connector - front panel
MASS STORAGE	
SATA M.2	1 TB Solid State Drive (SSD), internal
SUPPLY VOLTAGE / POWER CONSUMPTION	
+5 V	8.7 A
+3.3 V	2.7 A
ENVIRONMENTAL AND MECHANICAL	
Dimensions	3U, 4HP, CompactPCI/PXI compliant form factor
Weight	320 g
Operating Temperature	0 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Humidity (Operating & Storage)	93% RH @ 40°C, non-condensing
Shock	IEC60068-2-27, -29
Vibration (Sinusoidal)	IEC60068-2-6

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX7938	3U Single Slot Embedded Controller, Intel 6-Core Xeon 2.7 GHz processor, 1 TB SSD, 32 GB DDR4
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Note: The GX7938 is supplied by a 3rd party and resold by Marvin Test Solutions.