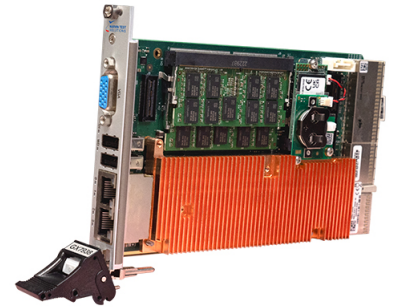


# GX7938



## 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
- Windows 11 Pro (x64)



## 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
OPERATING SYSTEM	
Windows	Win 11 Pro (64 bit)
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
OPERATING SYSTEM	
Windows	Win 11 Pro (64 bit)
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

<b>GX7938</b>	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.