

Rugged Embedded Computer Solution with fanless Intel® Quad Core™ i7 Processor

General Description

The PIP39 is a high performance, low power and highly integrated rugged Embedded Computer, built in a specially designed aluminum or MIL IP67 housing. This allows to operate the PIP in a moderate or in a harsh environment without fan or air vents. The design integrates standard connectors for easy connection or lockable headers, depending on housing choice. Therefore the PIP39 board can be used for any x86 application where a complete solution is needed.

PIP39 Highlights

The PIP housings offer space for up to two 2.5 inch HDD/SSD. With the integrated PCI/104-Express interface and the two PCI-Express Mini Card Slots there are flexible expansion possibilities available. Particular precautions have been taken that the entire system EMC is within the CE and FCC limits:

Key features are:

- DDR3 ECC RAM up to 16GB
- Two Gigabit Ethernet ports (expandable to 6)
- Fanless operation
- Long term availability*
- PCIe x16 expansion

The PIP39 has been designed to withstand harsh environments and extreme temperature conditions. The special rugged design, combined with the best industrial-grade components, offer high reliability and long-term performance.

The **PIP39** is available for different Industries and is the perfect embedded computer solution for industrial environments, railway applications, MIL/COTS applications, or whenever a rugged long-term available computer is needed.

MPL products are 100% designed and manufactured in Switzerland. All products are fanless, shock and vibration proof, low power, rugged, and long-term* available. The perfect solution for a system to be used in rugged environments.

* Typically 10 years or more, 20+ years repair-ability



PIP39 for the harsh Industrial Environment
Standard alum housing available with DIN-Rail or flange, equipped with CAN and dual SSD as RAID solution.



MIL-PIP39 for rough use in Military Environments
IP67 alum housing configured according customer requirement.



RAIL-PIP39 for the rugged Railway Application
LAN on M12, housing with flange, internal DC/DC converter and UPS system.
EN 50155 certified

MPL AG is an ISO9001 certified company

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