

*Military Standard Embedded Systems with PCIe Expansion Slot*



**Features:**

- Intel® 4<sup>th</sup> Generation Haswell Processor
- Aluminum profile with fin
- Compliance to MIL-STD-810G and MIL-STD-461F
- 3 x PCIe socket for expansions (PCI optional)
- 12V DC with isolation protection

**Specification**

**System:**

• CPU	: Intel® Core™ i7-4700EQ 2.4GHz or Intel® Core™ i5-4400E 2.7GHz
• Chipset	: Intel® QM87 PCH
• Memory	: DDR3/ DDR3L-1600 SO-DIMM, default 8GB (Max 16GB)
• Storage	: Default 1 x 128 GB SSD
• Ethernet	: Dual Intel® I217LM Gigabit LAN PHY
• BIOS	: AMI 16Mbit Flash
• I/O Controller	: Fintek F81866AD-I
• Expansion Slot	: 3 x PCIe (PCI slots options)
• Watchdog Timer	: 256 levels
• Audio	: Intel® QM87 PCH built-in HD audio controller + ALC892 w/ 7.1 channels

**Environment Tolerance:**

• Operating Temperature	: -20 deg. C to 60 deg. C
• Operating Humidity	: 5% to 95% (Non Condensing)
• Storage Temperature	: -40 deg. C to 70 deg. C
• Anti Vibration	: MIL-STD-810G Method 514.6C-3
• Anti Shock	: MIL-STD-810G Method 516.6

**MIL. connector Input / Output :**

**D38999 I/O (Right)**

• COM1	: 1 x RS232/422/485 (D38999 connector)
• COM2	: 1 x RS232 (D38999 connector)
• COM3	: 1 x RS232 (D38999 connector)
• USB	: 1 x USB 2.0 (D38999 connector)
• USB	: 1 x USB 2.0 (D38999 connector)

**D38999 I/O (Left):**

• Ethernet 1	: 1x 10/100/1000 Gigabit LAN (D38999 connector)
• Ethernet 2	: 1x 10/100/1000 Gigabit LAN (D38999 connector)
• GPIO	: 8 x Digital I/O (optional)

**Power Input (D38999) :**

• Power Input	: +12V DC Power Input
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**Accessory :**

• Connector	: D38999 Military Plugs for I/Os
• Cables	: MIL. standard cables for optional

**Dimensions/ Weight :**

• Dimensions	: 231.5 x 215.5 x 141.6mm (L x W x H)
• Weight	: 3.5 Kg

**Illustrations:**

