



## Ruggedized Embedded Systems

Connect Tech's Engineered Solutions provide rugged systems for the most challenging environments. Tested and complies with MIL-STD-810G ratings for vibration with an operating temperature of -40°C to +85°C.



Ideal for a host of embedded applications that require highly ruggedized systems in harsh environments.

## FEATURES

- ✓ High Performance Intel® Core™ i7
- ✓ Tested to MIL-STD-810G for Shock, Vibration and Temperature
- ✓ EMI Filtering to MIL-STD-461
- ✓ Wide range MIL-STD Input Power +16.5V to 50V DC
- ✓ Transient Protection to MIL-STD-704

## SPECIFICATIONS

<b>CPU</b>	Intel® Core™ i7-3517 (2 x 2.8 GHz, 4MB L2 cache, 17 W)	<b>Chipset</b>	Intel QM77
<b>Memory</b>	8GB DDR3L Memory	<b>Ethernet</b>	2 x Gigabit (10/100/1000) Ports
<b>Video</b>	Analog CRT / VGA Output	<b>USB</b>	4 x USB 2.0 Ports
<b>Audio</b>	1 x Analog Stereo Input, 1 x Analog Stereo Output	<b>GPIO</b>	8-bits GPIO
<b>Connectors</b>	<ul style="list-style-type: none"> <li>• 2 x MIL-DTL-38999 17-35 (I/O)</li> <li>• 1 x MIL-DTL-38999 9-98 (Power)</li> </ul>	<b>Expansion</b>	Dual miniPCIe/mSATA expansion
<b>Storage</b>	Up to 128GB SLC or 1TB MLC mSATA SSD	<b>RF/Wireless</b>	Locations for 4 x SMA antenna connections
<b>Vin range</b>	+16.5V to 50V DC (+13.9V to 50V DC after startup)	<b>Transient Protection</b>	MIL-STD-704A/E/F and MIL-STD-1275A/B/D
<b>EMI Filtering</b>	MIL-STD-461E/F	<b>Available Output</b>	120W continuous
<b>Dimensions</b>	238.25 mm x 209.55 mm x 70.61 mm (with Mount Bracket) (9.38" x 8.25" x 2.78") (exclude connectors)	<b>O.A.L. (with connectors)</b>	271.53 mm (10.69")
<b>Mounting</b>	4 x brackets with 1/4-20 (M6) Bolt Clearance Hole Layout 8.00 in X 7.19 in (203.20 mm X 182.63 mm)	<b>Weight</b>	7.1 lb (3.2 kg)
<b>Material</b>	Corrosion Resistant Aluminum Alloy	<b>Finish</b>	Black Anodize per MIL-A-8625
<b>Cooling</b>	Passive Conductive (no fans/moving parts)	<b>Vibration</b>	Tested to MIL-STD-810G method 514.6
<b>Shock</b>	Tested to MIL-STD-810G method 516.6	<b>Operating Temperature</b>	Tested to -40°C to +85°C MIL-STD-810G method 501.4 (high) MIL-STD-810G method 502.4 (low)



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