

ROC-SOLID

RUGGED OPERATIONS COMPUTER

ROC-i7-MMC

Multi Mission Computer

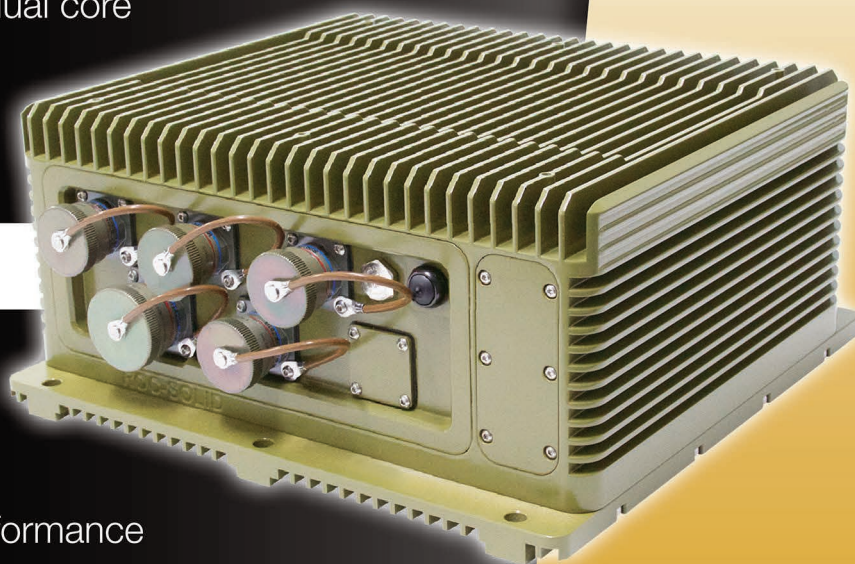
When Failure is not an Option

The ROC-i7-MMC is a highly qualified, flexible i7 MIL-SPEC vehicle computer designed specifically for harsh environments associated with ground mobile, tracked and wheeled vehicles. With built in high end video processing, generous and configurable I/O options and the powerful Intel i7 dual core processor, the i7 MMC (Multi Mission Computer) is adaptable to suit a myriad of C4ISR applications.

Features of the ROC-i7-MMC

- Wide Range Input Voltage Fully Compliant to MIL-STD-1275D
- MIL-STD-810E Qualified
- Optimal Low Power and High Performance
- Secure SATA II Removable SSD Bay
- Fanless Design
- Multiple Mounting Options

The flexible nature of the i7-MMC design means it can be adapted and configured for multiple mission scenarios. With UPS connectivity and a liberal selection of user configurable I/O's and multiple mounting solutions, the i7-MMC means easy integration into almost any platform. Configurable with a range of VDU options from 10.4" up to 24", the i7-MMC can fit into confined vehicle cabins or any mobile or static ground based situation. Remote on/off and ultra fast boot time means complete control and confidence of system availability when it matters the most.





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Specifications:

Computer Specifications:

CPU/Processor	Core i7 3555LE 2.5GHz
Number of Cores	2
Number of Threads	2 per Core
Storage	128GB SSD, SATA II, 3Gb/sec with Secure Erase
Memory	DDR3 1600MHz up to 16GB.
BIOS	AMI Aptio UEFI
Chipset	Intel® Mobile QM77
Graphics Controller	Intel® HD4000 (upgradeable to dedicated GPU)
Audio Chipset	Intel® High Definition Audio
Power Management	ACPI 4.0, S5 Eco
Monitoring	Critical Control Voltages, Temperature
Dimensions	300W x 295D x 110H

Input / Output Connections:

Ethernet 1	1000Mbps
Ethernet 2	1000Mbps
COM Ports	6 x User Configurable RS232/RS485/RS422 (Optional 2 x additional COM Ports)
CAN Port	Can 2.0B Port
USB	3 x USB 2.0 (Optional configuration of 4 x USB 3.0 plus 2 x USB 2.0)
Audio	AC97 1 x mic in and 1 x stereo audio out (Optional Line In)
Power Status	3 State LED
Video	1 x DVI-D plus 1 x VGA (Optional 2 x DVI plus 1 x VGA)

Expansion:

- 1 x PCIe slot
- 1 x PCIe Mini Slot

Power Specifications:

Power Supply	6-36VDC Wide Range Input MIL-STD 1275A
Power Consumption	50W max

User Controls:

HMI	Virtual Keyboard (VDU required)
Power CTRL	Remote On/Off

Environmental Qualifications:

Interface Connectors	MIL-SPEC (can be configured upon order)
Operating Temperature	-10°C to +55°C (MIL-STD-810G)
Storage Temperature	-20°C to +70°C
Humidity	+30°C to +60°C at 95% Humidity (MIL-STD-810G)
Vibration	MIL-STD-810G Tracked Vehicle
Shock	MIL-STD-810G 40g in 11ms, 3 Axis
Ingress Protection	IP65, MIL-STD-810G 20mm/hr Rain Operating
EMI / EMC	C Tick and MIL-SD-461E
Salt Fog	MIL-STD-810G
Sand and Dust	MIL-STD-810G

Accessories:

Operating Systems (Windows XP Pro, Windows Embedded, Windows 7, Window 8, Linux)
Anti-Virus Suite
MIL-SPEC Keyboard
Mounting Brackets
MIL Qualified VDU (10.4", 15", 19" or 24")
GPS
WI-FI



Quality
ISO 9001
SAI GLOBAL