

Cool solutions to thermal problems.

Rocky
Research

COMMERCIAL | INDUSTRIAL | DEFENSE

MMC1130

Key Features

- Intel® CORE™ 2 DUO 3.0GHz Processor
- 32GB Solid State System Drive
- 200GB Data Drive
- Sealed Chassis
- Water Proof Connectors
- 0° to 65°C Operating Temp
- ICE™ Technology

Rocky Research Multi-Mount Computer



Rocky Research's Multi-Mount Computer (MMC) is designed as a multipurpose computer for use in the harshest environments encountered aboard Navy ships. The MMC is designed to meet severe shock and vibration requirements without the aid of isolation systems, and is also designed for NEMA 4 operation, featuring mil-standard grade connectors for power, Ethernet, and USB. The VGA and Serial ports are also waterproof.

Many high-end, rugged computers, including "air breathing" systems, struggle to operate effectively in extremely hot environments. Rocky Research's sealed MMC system, with ICE™ thermal technology, is designed for continuous operation in environments with ambient temperatures reaching 65°C.

The MMC design allows installation orientation flexibility for bulkhead mounting to accommodate human/machine interface, connectivity, other equipment/obstacles, and cooling. The unit can also be fitted for Rack-Mount applications.

Utilizing state-of-the-art, commercial-off-the-shelf components providing the latest in commercial computing capabilities, the **MMC1130** features an Intel® CORE™ 2 DUO 3.0GHz processor, 4GB of RAM (expandable to 8GB), a 32GB solid state systems drive, and a 200GB data storage drive. The unit's design incorporates Rocky Research's ICE™ thermal management technology and expertise in the packaging of high-density electronics.

System Specifications

Operating System:	Support Microsoft® Windows® XP Professional & Windows Vista
Processor:	Intel CORE 2 DUO Wolfdale, 3.0GHz, E8400, 1333MHz FSB, 6MB L2 Cache, LGA 775 CPU Socket Type
Chipset:	North Bridge – Intel G35; South Bridge – Intel ICH9R
Onboard Video Chipset:	Intel GMA X3500
Memory:	Standard 4GB, DDR2 800 MHz SDRAM Expandable to: 8GB
Solid State Drive (System):	32GB SATA II, SLC Architecture
Hard Drive (Data):	2.5” 200GB, 7200RPM, SATA
Optical Drive:	24 x CD / 8X DVR RW, SATA
Audio:	8 Channels, Realtek ALC883 Chipset
Network:	10/100/1000 Mbps Ethernet, Atheros L1 LAN Chipset
I/O Ports:	(3) USB 2.0 – Open (1) USB 2.0 – Connects Touchscreen, Audio, and USB to Display Ethernet Serial VGA Power
Slots:	(2) PCI-E X1, (1) PCI-E x 16, (1) PCI
Power Supply:	350 Watts

Physical Specifications

Form Factor:	Multi-Mount (Wall-Mount and Rack Mount)
Dimensions:	17” (W) X 7” (H) X 19” (D)
Weight:	45 lbs

Environmental Specifications – Designed to Meet

Shock:	MIL-STD-901D, Grade A, Class I, Type A
Vibration:	MIL-STD-167-1A, Type I
EMI:	MIL-STD-461E
Temperature:	0° to 65° C
Humidity:	5% to 95% non-condensing
Enclosure Protection:	NEMA 4