



RUGGED OPERATIONS COMPUTER

10.4" Military / Maritime Modular ROC

This fully featured computer is specifically designed and manufactured for the harsh environments associated with Military and Marine applications, where ease of operation and reliability is critical. This product offers:

- Ruggedised Modular design
- Solid aluminium built frame
- Anti-vibration mounted CPU (IP65 rated)
- Flange mounted Display (IP67 rated)
- High brightness (sunlight readable) 10.4" TFT screen
- Touch Screen
- Low-Power High-Performance CPU unit
- Flexible I/O options

These features make this product ideal for applications including, but not limited to: Military Sea and Land vehicles, Border Protection Craft, Armed Forces Mobility Equipment and Pleasure Craft.



Specifications

Display

- 10.4", 1024x768 display size
- Ultra bright 1000nits (daylight Readable)
- Viewing angle +/- 89 degrees
- 262K colours (18 Bit interface)
- LED backlighting dimmable to 1/256 via external control or via Silicon Keypad
- Contrast Ratio 600:1
- Touchscreen: 5 wire resistive, 4096 x 4096, error < 1.5%
- Power, Volume and Brightness control via Silicon Keypad
- Panel mountable

CPU Specifications

- Processor: AMD Embedded G-Series T56N (2 x 1.65GHz)
- Chipset: AMD Fusion Controller Hub (FCH) A55M
- Video Controller: Integrated Radeon HD6320
- System Memory: 4GB DDR3
- Storage: Solid State SATA 60GB

Computer Interfaces

- 10/100 TBase Ethernet (standard on CPU)
- 2 x USB 2.0 (standard on CPU)
- 2 x USB+2 Serial (RS232/RS422/RS485 on CPU (option) via internal IO card)
- 2W Audio Output provided for external speaker
- Other options GPS, WiFi, Bluetooth, GSM/3G/GPRS possible.

Operator Interface

- Optional touch screen
- Brightness control buttons

Environmental Performance

- Temperature -5C to 60C operating
- IP67 rated Display and IP65 rated CPU
- Humidity 0-95% condensing
- Shock Rating MIL-STD-810F (Method 516.5, Procedure 1, Terminal Saw Tooth pulse): Peak 40g, Duration 11ms
- Vibration Rating MIL-STD-810F (Method 514.5 Cat 3, 10 & 21), MIL-STD-167 (Type 1A) & IEC60068-2-6
- EMI rating AS/NZS CISPR 22, EN 55022 and CISPR22 Class A

Mechanical Data

- Solid machined aluminium construction
- Corrosion protected alchromated enclosure
- Fanless operation

Power Interface

- Wide 9-26VDC 60W input
- 20 minute NiMH/NiCd UPS, ACPI



Military / Maritime Modular ROC

Solid Aluminium Frame

Light Weight

Ultra Bright Display

Wide input 9-26VDC

UPS Back-up Power

Compact Design

High-Performance

Reliable



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