

# ROC-SOLID

## RUGGED OPERATIONS COMPUTER

### 10.4" Military / Maritime Integrated ROC

The ROC-SOLID 10.4" Military / Maritime Integrated Computer incorporates highspeed CPU capabilities with a full range of interfaces and user options. Housed in a solid machined casing, this unit offers a robust field computing solution suited to land, air and sea applications.

This product offers:

- High performance CPU options
- Solid machined casing
- Fanless design
- Integrated touchscreen
- Compact Flash disk
- Multi voltage AC & DC operation

### Specifications

#### Display

- Screen size : 10.4"
- Aspect ratio : 4:3
- Resolution : 1024 x 768 pixels
- Pixel pitch : 0.21(H) x 0.21(V) mm
- Colour resolution : 18 bits (16.2M colours)
- Viewing angle (H/V) : 176/176
- Contrast ratio : 400 to 1
- Brightness : 350 cd/m2
- LED backlighting
- Anti-reflective impact resistant EMC screen fitted

#### CPU Specifications

- Atom based CPU (1.6Ghz)
- RAM size 1GB, 2GB
- Solid state disk
- Fanless operation

#### Computer Interfaces

- Ethernet 10/100Mbit
- USB 2.0 x 4 ports
- RS232 Serial
- RS422 serial option
- Audio input/output

#### Operator Interface

- PS2 keyboard interface
- Optional touch screen
- Brightness control buttons

#### Environmental Performance

- Shock tested (IEC 68-2-27) 15g, 20ms
- Vibration tested MIL-STD-167B (type 1)
- Dust and water resistant (IP65)
- Humidity to 95%
- Chemical resistant
- Operational Temperature -10 to 60 degrees C
- MIL STD 461B EMC compliance

#### Mechanical Data

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

#### Power Interface

- 24v DC input (18 - 30v range)
- Optional AC input module (90 - 250 VAC)
- Power dissipation less than 22W



**Military / Maritime Integrated ROC**

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