



# SUPER MAC

## Multi Applications Console

Customizable Multi Functional "state of the art" Console supporting: C4I applications, radar, electronic charts system, sonar, optronics, shipboard databases and weapons interfaces.



- Two 23.1" LCD monitors, LED backlight, 1600x1200 pixels resolution.
- Compact PCI or VME hardware environments available.
- Single frontal panel connectors allowing lateral and bulkhead flanking.
- Backlight waterproof keyboard and trackball.
- Optional multifunctional touch-screen keyboard and joystick allowing the simultaneous use of C4I context functions.
- Wide range of scalable solutions for interfacing with existing onboard systems through VME I/O boards addition.
- Available for different OS (Windows or Unix based).
- Self diagnosis through BITE capability.
- Long time spare availability through adoption of COTS components.
- Internal heaters against condensation in harsh humid environment.
- Environmental conditions in accordance with naval military standard (MIL-STD).

# SUPER MAC

## TECHNICAL SPECIFICATIONS

Displays	Two 23.1" LCD monitors, LED backlight, 1600x1200 pixels resolution
Control Desk	Backlight alphanumeric QWERTY keyboard and trackball.
CPU	Low Power Dual-Core Intel Xeon 1.67 GHz or superior, 2 MB advanced transfer cache memory
RAM	2 GB
Operating System	Windows XP or UNIX like.
Graphic Processor	Suitable dual head graphic processor with 128MB integrated memory. Up to 165 MHz pixel clock rate.
Hard Disk	160 GB Serial ATA – 150, 150MBps, 10000 RPM
Additional Memorysupport	Serial-ATA DVD/CD-R/RW Driver, compatible to all formats. USB port
Diagnostics	Comprehensive built-in test equipment (BITE) with fault detection and fault isolation.
Power Supply	220 VAC or 115 VAC, single phase, 50/60 Hz. 1.5 kVA Power Consumption. Distribution Unit on the front panel with ON/OFF, FAIL and TEMP. ALARM leds
Minimum I/O interfaces	N. 3 Ethernet 1000 BaseT N. 3 RS232 Serial lines N. 1 USB
Dimensions (H/W/D)	1770/610/880 mm
Weight	130 kg +/- 10%

## OPTIONS

- Multifunctional touch-screen keyboard, 12" LCD, TFT 800x600 pixel.
- Integrated 3 button trackball for left-handed operators.
- Joystick.
- Sound card with speakers, integrated in the console with I/O jacks for headphones/microphone headset.
- Expansion for USB ports.
- Expansion for RS232/422 serial lines.
- All cots for PCI or VME bus.
- Analog or/and digital interfaces external video devices.

## ENVIRONMENTAL PERFORMANCES

Operating Temperature	From 0°C to +50°C as per MIL-STD 2036 par. 5.1.2.17.1 for protected units
Relative Humidity	Up to 95% at +40C not condensing
Salin Fog	MIL-STD-810F meth. 509.4
Vibrations	MIL-STD-167-1 type 1
Shock (with shock mounts)	0.5 sine, 30 g for 11 milliseconds.
Emi	MIL-STD-461E, meth. RE102, RE103, RS101, RS103, CE101, CE102, CS101, CS114
Acoustic Noise	MIL - STD - 740 - 1 degree A3
Safety	MIL-STD-2036 par.4.10



Height	1770 mm
Width	610 mm
Depth	880 mm
Weight	130 Kg

Surveillance & Security

Guidance, Navigation & Positioning

Military & Defence

Marine Electronics

This brochure should not be considered a contractual offer to sell. The specifications given herein may be changed by the manufacturer, GEM elettronica S.r.l., without notice.



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