CONSOLE FREMM

MULTI-MONITOR CONSOLE
FOR THE MANAGEMENT
OF THE COMBAT SYSTEM

Description

MULTIFUNCTIONAL CONSOLE FOR THE MANAGEMENT OF THE COMBAT SYSTEM

TECHNICAL SPECIFICATIONS

Display	Three 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution. 1 additional optional 23" LCD monitor, Si-TFT, 1600x1200 pixels resolution.
Control desk	1 programmable "touch screen" 12.1" keyboard, 1 trackball. 1 additional optional for an optional keyboard
Processor	Pentium IV, 2.0 GHz or better – 512 KB cache.
RAM Memory	1 GB expandable up to 4 GB.
Backplane	PCI technology, single PICMG (SBC) board, N.8 slots available.
Operating System	Windows o Linux .
Graphic Processor	with 32 MB memory.
Hard disk	2 removable 80 GB (or better) disks, optional Flash disk EIDE.
Additional Memory support	For CD-R/RW, DAT, DVDR, Floppy Disk drive).
Diagnostics	Built-in test equipment (BITE) with fault detection and isolation capabilities.
Power Supply	220 VAC or 115VAC, single phase, 50/60 Hz - 1.8 KVA Power Consumption.
BITE	Integrated BITE for hardware testing and fault isolation.

ENVIRONMENTAL REQUIREMENTS

Operating range of temperature	From +5°C to +50°C.
Storage range of temperature	From -40°C to +70°C.
Humidity	From 30% to 70% for the aforementioned range of temperature.
Salt	IEC 60945.
Vibration	0,25 mm from 5 to 14 Hz, 0.2 g from 14 to 100 Hz.
Water resistance	IEC 60945.
Shock	Transport: 30g half sine 18 ms, Operation: 15g half sine 11 ms.
Atmosferic pressure	From 860 mb to 1085 mb (with no performance degradation).
EMI	MIL-STD-461D e IEC 60945.

DIMENSIONS

Height	1230 mm (3 monitor) 1662 mm (4 monitor)
Width	1902 mm
Depth	876 mm
Weight	180 Kg. (3 monitor) 200 kg. (4 monitor)

INTERFACES STANDARD

- 2 Ethernet 10/100 Mbit/s or 2 GigaBit T or S/LX)

- 4 RS-232 serial ports

- 5 USB ports

- 1 frame grabber module for analog TV signal acquisition

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