MULTIFUNCTIONAL CONSOLES FOR NAVAL APPLICATIONS



COMBAT MANAGEMENT SYSTEMS

INTEGRATED BRIDGES

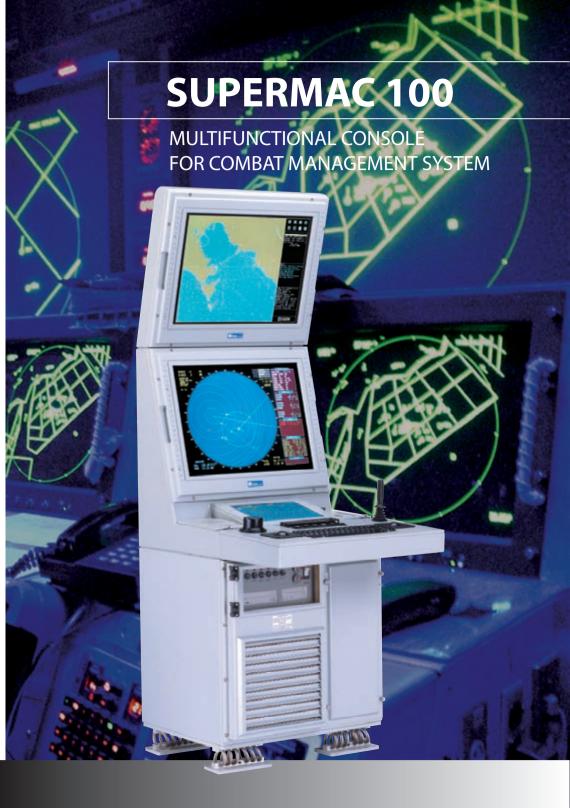
ELECTRONIC WARFARE

CHAFF-LAUNCH SYSTEMS "STORAGE CONTROL"

TORPEDO STORAGE SYSTEMS

SONAR AND TOWED ARRAY SYSTEMS

RADAR SYSTEMS - IR



MULTIFUNCTIONAL CONSOLE SUPPORTING THE HUMAN-COMPUTER INTERFACE MANAGEMENT SYSTEMS.

TECHNICAL SPECIFICATIONS

Two 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution. Display

Control desk QWERTY keyboard, trackball, joystick.

CPU PC Pentium IV or Pentium –M, 2.4 GHz or better. As option, available with Power PC.

RAM 512 Mbytes di RAM (expandable to 2 GB).

Windows 2000/XP or UNIX. **Operating System**

Graphic Engine Graphic adaptor, 32 MB on-board memory at refresh rate of at least 75 Hz.

Hard Disk 2 removable 80 GB hard disks (IDE or SCSI).

CD driver DVD/CD-R/W.

Diagnostics Built-in test equipment (BITE).

Power Supply 220 VAC or 115VAC (on request), single phase, 50/60 Hz, 1 KVA Power Consumption.

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C MIL-STD 2036 par. temperature

5.1.2.17.1 for inner units..

Humidity Up to 95% at +40C non condensing.

Salt MIL-STD-810. Vibration MII -STD-167

Shock 0.5 sine, 30 g for 11 milleseconds.

FMI EC-945, MIL-STD-461C class RE02,

CE03, RS03, CS02, CS06.

Acoustic noise MIL - STD - 740 - grade A3.

OPTIONAL

- 12" LCD Multifuncionalt keyboard,, TFT 800x600 pixel.
- Speaker with volume control
- Back Plain on bus PCI or VME.

DIMENSIONS

Height 1770 mm

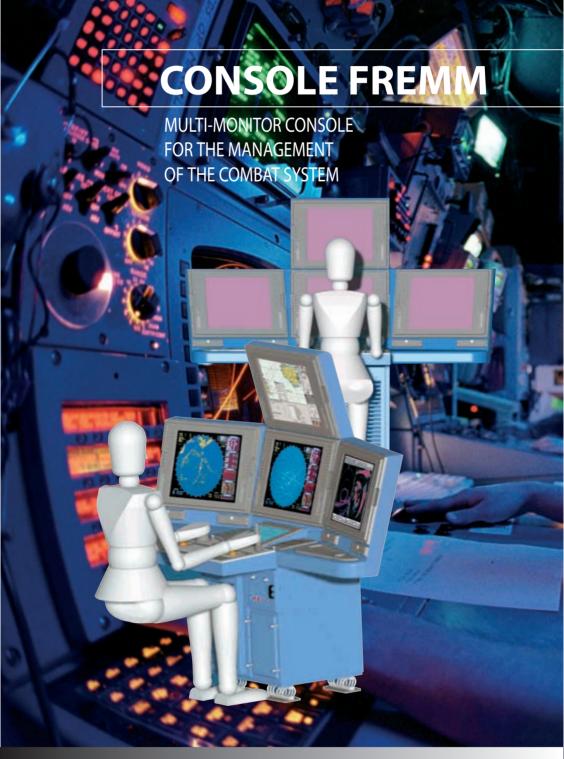
Width 610 mm

Depth 880 mm

Weight 130 Kg.

STANDARD INTERFACES

- 1 frame grabber module for analog TV signal acquisition
- 4 Ethernet 100 base T interfaces
- 5 USB interfaces
- 5 RS-232 serial interfaces
- 1 audio card for a microphone integrated in the console. I/O jacks for headphone/microphone.
- 1 SCSI/IDE DVD/CDROM R/W drive
- 1 Floppy IDE 3 1/2 inch drive.
- 1 DAT SCSI 4 mm drive.



MULTIFUNCTIONAL CONSOLE FOR THE MANAGEMENT OF THE COMBAT SYSTEM

TECHNICAL SPECIFICATIONS

Processor

Display Three 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution.

Pentium IV. 2.0 GHz or better - 512 KB cache.

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

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 From $+5^{\circ}$ C to $+50^{\circ}$ C. temperature

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

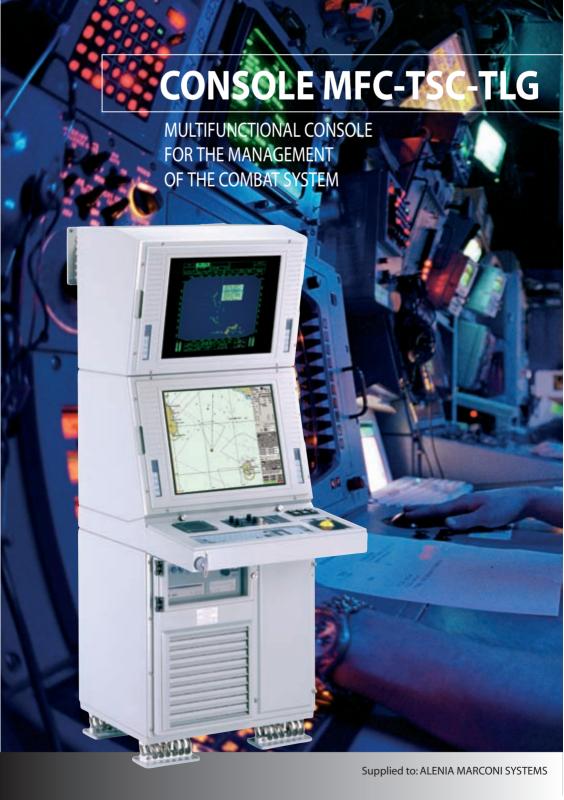
Depth 876 mm

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



TECHNICAL SPECIFICATIONS

Display Two 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution.

Control desk 1 QWERTY (82 keys) keyboard, 1 trackball.

Processor PowerPC 750, 366 MHz.

RAM Memory 128 MB PC.

Backplane 20 slots VME64x Bus.

Operating System LINX-OS with drivers for all installed peripherals.

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

Hard disk 9 GB.

Additional Memory support 4GB DAT.

Driver CD-ROM SCSI.

Diagnostics Comprehensive built-in test equipment (BITE) with fault detection and fault isolation.

Power Supply 220 VAC or 115VAC, single phase, 50/60 Hz.

1.7 KVA Power Consumption.

Distribution Unit on the front panel with ON/OFF, FAIL and TEMP. ALARM leds.

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C as per temperature MIL-STD 2036 par. 5.1.2.17.1 for

inner units.

Humidity More than 80% at +40°C non

condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration MIL-STD-167-1: 14-100 Hz, Ampl.

0.2g peak.

Drip-proof MIL-STD-108E.

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1560 mm

Width 610 mm

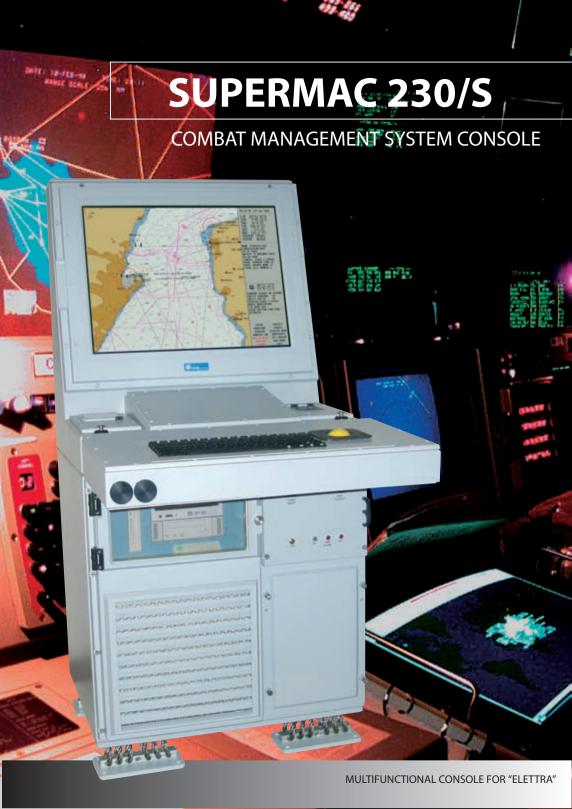
Depth 1125 mm

Weight 220 Kg

INTERFACES STANDARD

N.1 FDDI interface

N. 1 NTDS interface



Description

MULTIFUNCTIONAL CONSOLE FOR INFORMATION MANAGEMENT RELEVANT TO THE COMBAT AND INTELLI-GENCE SYSTEMS.

TECHNICAL SPECIFICATIONS

One 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution. Display

Control desk 1 "rugged" QWERTY keyboard, 1 trackball. Can support a multifunctional keyboard.

Processor PC Pentium-M 1,6 GHz, 1 MB L2 cache.

RAM Memory 512 MR DDR SDRAM.

10 slots VME64x Bus, 1 slot available. Backplane

Windows XP Professional with drivers for all installed peripherals. Operating System

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

S-Video and Composite Video acquisition capability.

Hard disk 73.5 GB with SCSI Ultra320 interface.

Floppy disk 1 IDE floppy disk driver.

DAT 1 DAT drive with SCSI interface for back-up data.

Additional Memory support Driver CD-R/RW capable of all format read/write functions.

Diagnostics Built-in test equipment (BITE) with fault detection and isolation capabilities.

Power Supply 220 VAC or 115VAC, single phase, 50/60 Hz.

1.5 KVA Power Consumption.

Distribution Unit on the front panel with ON/OFF, FAIL and TEMP. ALARM leds.

EMI MIL-STD-461E

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C as per temperature

MIL-STD 2036 par. 5.1.2.17.1 for inner

units.

Humidity More than 80% at +40°C non-

condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration MIL-STD-167-1: 14-100 Hz, Ampl. 0.2g

peak.

Drip-proof MII -STD-108F

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

DIMENSIONS

Depth

1301 mm Height

610 mm Width

875 mm

Weight 145 Kg.

AVAILABLE INTERFACES

N.2 GigaBIT Ethernet interfaces

N.4 USB 2.0 interfaces

N.1 RS/232 serial port

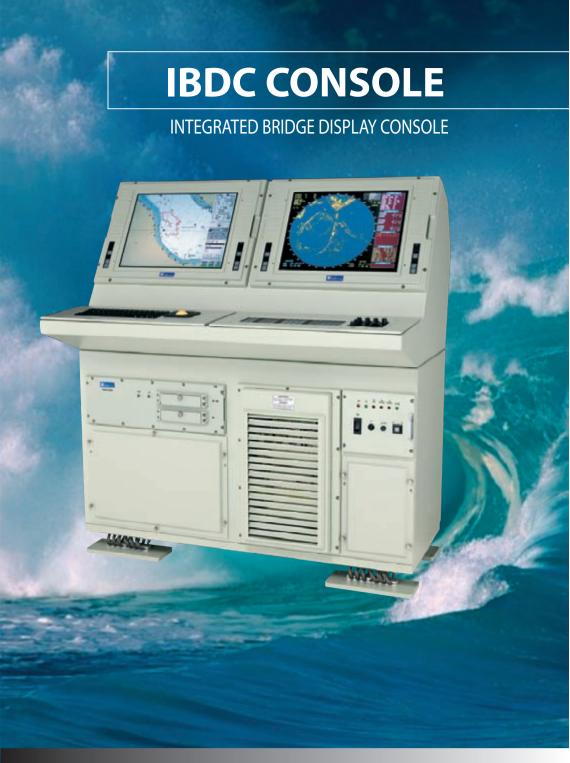
N.2 audio jacks for headphones (3.5 e 6.3 mm

standard)

N.1 audio jacks for audio signals from external

sources

N.1 microphone



MULTIFUNCTIONAL CONSOLE FOR NAVIGATION MANAGEMENT

TECHNICAL SPECIFICATIONS

Two 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution. Display

Control desk ECDIS: 1 QWERTY keyboard, 1 trackball

RADAR: 1 programmable "touch screen" keyboard, 1 trackball.

Processor ECDIS: PC Pentium-IV. 2.4 GHz.

RAM Memory ECDIS: 512 MB SDRAM.

N.2 VME64x Bus in 2 racks. Backplane

Extractor and tracker module.

SUN Solaris ver. 8.0, patch 21. Operating System

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

Hard disk ECDIS: 80GB slim hard disk, IDE interface.

Additional Memory support Driver CD-R/RW capable of all format read/write functions.

It supports 1 5.25" reader on the front panel.

UPS ECDIS: battery 12V, 4 Ah. Floppy 3,5" slim floppy drive

Diagnostics Built-in test equipment (BITE) for hardware checking and fault isolation.

220 VAC or 115VAC, single phase, 50/60 Hz **Power Supply** 3.0 KVA Power Consumption.

Power Distribution Unit and 2 VME modules.

ENVIRONMENTAL REQUIREMENTS

From 0°C to +50°C. Operating range of temperature

Storage range of temperature From-40°C to 70°C as per

MIL-STD 2036 par. 5.1.2.17.1

More than 80% at +40°C Humidity

non-condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration MIL-STD-167-1:14-100 Hz, Ampl.

0.2g peak.

Drip-proof MIL-STD-108E.

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1380 mm

Width 1230 mm

Depth 730 mm

Weiaht 430 Ka.

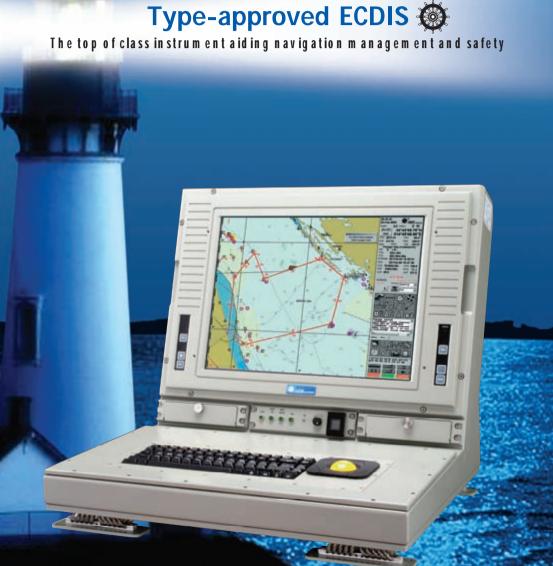
AVAILABLE INTERFACES

N. 3 Ethernet 100BaseTX interfaces

N. 1 RS/422 serial port



ECD 700 DESKTOP VERSION



CONSOLE ECDIS FOR NAVIGATION MANAGEMENT.

TECHNICAL SPECIFICATIONS

Display High resolution, 20.1" diagonal, colour LCD. The LCD is a Si/TFT active matrix.

Control desk Keyboard group with dedicated keys and 2 trackball for rapid positioning of cursor.

Processor Pentium IV - 2 GHz or better. **RAM Memory** 512 Mbytes RAM minimum.

Operating System Windows 2000 with service pack3.

Graphic Processor AGP 32 Mbyte VRAM or better.

Hard disk 80 Gbytes or more.

Additional Memory support CD ROM RW, DVD, Floppy Disk.

On board multi I/O Fast Ethernet 10/100 MB, PCI bus, USB ports, RS-232 or RS-422 serial ports.

Diagnostics Comprehensive built-in test equipment (BITE) with fault detection and isolation.

Ethernet Standard IEEE 802 3U 10/100 Mbps CSMA/CD.

ENVIRONMENTAL REQUIREMENTS

Power Supply

Operating range of From 0C to +50C as per temperature MIL-STD 2036 par. 5.1.2.17.1 for internal units

Humidity

Up to 95% at +40C, non

condensing

Salt As per MIL-STD 2036 par.

5.1.2.12.2

Vibration As per MIL-STD-167-1 Drip-proof As per MIL-STD-108E

Shock 0.5 sine, 30 g for 11

milliseconds

As per MIL-STD-2036 par. Safety

4.10

EMI As per MIL-STD-461C

methods RE02, CE03, RS03,

CS02 and CS06

DIMENSIONS

220 VAC or 115VAC, single phase, 50/60 Hz, 200 W max power consumption.

Height 579 mm Width 610 mm Depth 640,5 mm

Weight 40 Kg.

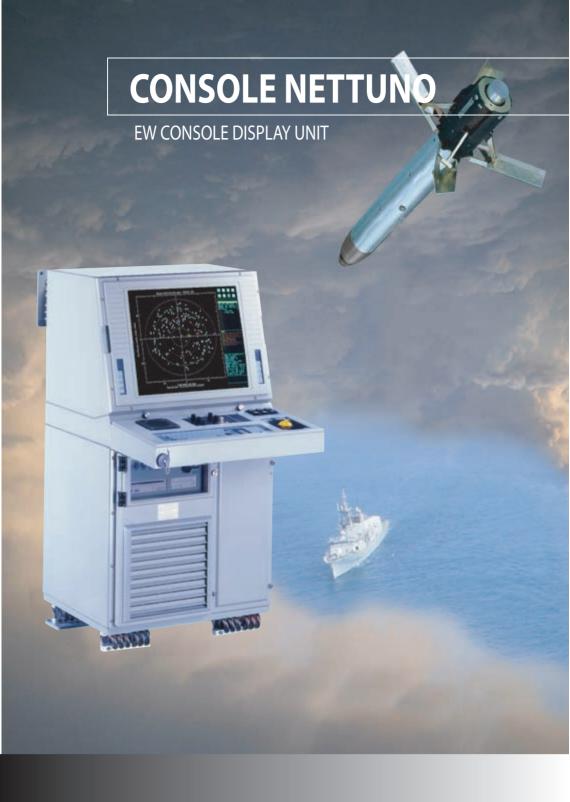
AVAILABLE INTERFACES

Serial multiplexer

Pedestal Console mounting

Interface unit for military or special applications

UPS



MULTIFUNCTIONAL CONSOLE FOR THE MANAGEMENT OF ELECTRONIC WARFARE SYSTEMS

TECHNICAL SPECIFICATIONS

Display ONE 20" LCD monitors, Si/TFT technology, 1280x1024 pixels resolution, swapping

function available.

Control desk 1 rugged QWERTY keyboard, 1 trackball. 1 Control Panel, 21 keys/pointers for several

modes of operations.

1 audio panel with a loudspeaker, a volume control knob, a selector of the audio source

and a connector for the headphone.

20W Lighting lamp.

Processor 4 PowerPC modules with Processor UltraSPARC-II

RAM Memory 512 MB SDRAM.

Backplane N.2 VME64x Bus with n.2 racks overlapping.

Operating System SUN Solaris ver. 8.0, patch 21.

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

Hard disk 18,3 GB with interface SCSI Ultra160.

DAT N.1 DAT drive with SCSI interface for backup data.

Additional Memory support 1 CD-R/W Driver, compatible to all formats.

Diagnostics Built-in test equipment (BITE) with fault detection and isolation.

Power Supply 220 VAC or 115VAC, single phase, 50/60 Hz

1.5 KVA Power Consumption

Distribution Unit on the front panel with ON/OFF, FAIL and TEMP. ALARM leds.

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C as per temperature MIL-S TD 2036 par. 5.1.2.17.1 for

inner units.

Humidity More than 80% at $+40^{\circ}$ C

non-condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration MIL-STD-167-1:14-100 Hz, Ampl.

0.2g peak.

Drip-proof MIL-STD-108E.

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

 Height
 1841,5 mm

 Width
 610 mm

 Depth
 980 mm

 Weight
 160 Kg

AVAILABLE INTERFACES

N.70 connectors available on the front and rear

panels for:

- audio signals from several sources

- blanking signals

- RS/232 and 422 serial ports

- bias

- "battle short"

- fire

- Ethernet

- radar

- SS

- Reset



TORPEDO BOARD INTERFACE CONSOLE

TECHNICAL SPECIFICATIONS

One 10" LCD monitor only for diagnostic purposes. Display

Control desk 1 control panel, 1 panel for emergency commands. During operation this unit is driven

through an ETHERNET line.

Processor PowerPC 603.

RAM Memory 16 MB, expandable up to 128 MB.

Backplane 10/20 slots Bus VME.

Operating System VXWorks.

Graphic Processor Graphic PCI mezzanine module.

Diagnostics Modular, redundant Built-in test equipment (BITE).

Power Supply 115 VAC 60Hz Double Power Supply, redundant three phases, 115VAC Service Power

Supply, 1 phase, with emergency UPS.

ENVIRONMENTAL REQUIREMENTS

Operating range of MIL-STD-2036 par. 5.1.2.17.1 for temperature inner units

Humidity More than 80% at +40°C, non

condensing Vibration

Shock

20g-11ms as per MIL -STD-810E

method 516.4

MIL-STD-167-1

DIMENSIONS

2018,5 mm Height

1350 mm Width

435 mm Depth

400 Kg Weight

AVAILABLE INTERFACES

- Double redundant ETHERNET line
- 12 interfaces for on-board torpedoes
- 6 interfaces for launching pipes

CONSOLE SCLAR H-HO

MULTIFUNCTIONAL CONSOLE FOR CHAFF-LAUNCH SYSTEM



MULTIFUNCTIONAL CONSOLE FOR CHAFF-LAUNCH SYSTEM

TECHNICAL SPECIFICATIONS

Display One 20" LCD monitor DL20000.

Control desk 1 alfanumeric keyboard, 1 trackball, 1 multifunctional TAMUL keyboard.

Processor 2 PowerPC 750, 366 MHz.

RAM Memory 16 MB expandable up to 128 MB.

Backplane 20 slots Bus VME.

Operating System LynxOS.

Graphic Processor CPCI-Gx module.

Hard disk 9 GB with SCSI interface.

DAT 1 DAT drive with SCSI interface for back-up data.

Additional Memory support No.

Diagnostics Built-in test equipment (BITE).

Power Supply 115VAC, single phase, 50/60 Hz.
1.5 KVA Power Consumption.

1 Power Distribution Unit.

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C as per temperature MIL-STD 2036 par.5.1.2.17.1 for

inner units.

Humidity More than 80% at +40°C

non-condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration MIL-STD-167-1: 14-100 Hz, Ampl.

0.2g peak.

Drip-proof MIL-STD-108E.

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1120 mm

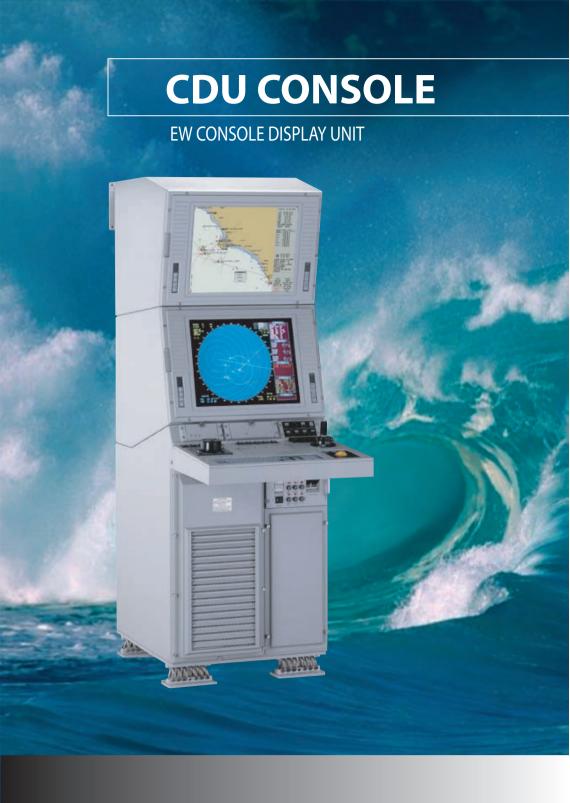
Width 610 mm

Depth 880 mm

Weight 145 Kg

AVAILABLE INTERFACES

- 1 Ethernet 10/100 interface
- 1 synchro interface
- 1 NTDS interface



TECHNICAL SPECIFICATIONS

Display Two 23"LCD monitors, Si/TFT technology, 1600x1200 pixels resolution, swapping

function available.

Control desk 1 rugged QWERTY keyboard, 1 trackball. 1 Control Panel, 21 keys/pointers for several

modes of operations.

1 audio panel with a loudspeaker, a volume control knob, a selector of the audio source

and a connector for the headphone.

20W Lighting lamp.

Processor 4 schede PowerPC modules with UltraSPARC-II Processor.

RAM Memory 512 MB SDRAM.

Backplane N.2 VME64x Bus with 2 racks overlapping.

Operating System SUN Solaris ver. 8.0, patch 21.

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

Hard disk 18,3 GB with SCSI Ultra160 interface.

DAT N.1 DAT drive with interface SCSI for back-up data.

Additional Memory support 1 CD-R/W Driver, compatible to all formats.

Diagnostics Built-in test equipment (BITE) with fault detection and isolation.

Power Supply 220 VAC or 115VAC, single phase, 50/60 Hz

1.5 KVA Power Consumption

Distribution Unit on the front panel with ON/OFF, FAIL and TEMP. ALARM leds.

ENVIRONMENTAL REQUIREMENTS

Operating range of temperature From 0°C to +50°C.

Humidity MIL-STD 2036 par. 5.1.2.17.1 for

inner units

Salt More than 80% at +40°C

non-condensing.

Vibration MIL-STD-2036 par. 5.1.2.12.2.

Drip-proof MIL-STD-167-1:14-100 Hz, Ampl.

0.2g peak.

Shock MIL-STD-108E.

0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1841,5 mm

Width 610 mm

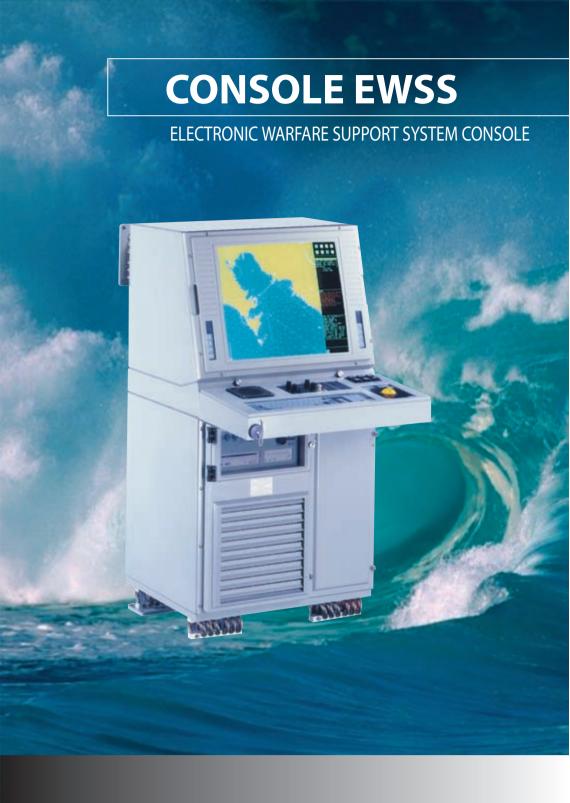
Depth 980 mm

Weight 160 Kg

AVAILABLE INTERFACES

N.70 connectors on the front and rear panels for:

- audio signals from several sources
- blanking signals
- seriali RS/232 e 422 serial ports
 - bias
 - "battle short"
 - fire
 - Ethernet
 - Etherne - radar
 - SSR reset



MULTIFUNCTIONAL CONSOLE FOR THE MANAGEMENT OF THE COMBAT SYSTEM

TECHNICAL SPECIFICATIONS

Display One 20" LCD monitor, Si/TFT technology, 1600x1200 pixels resolution.

Control desk 1 rugged QWERTY keyboard, 1 trackball.

Processor 1 PowerPC 19",650 MHz, ultraPARC-lli (sun Fire V120), with 832 bit,33 MHz graphic

adaptor, 1900x1200 pixels resolution ed hard disk da 34.4 GB SCSI.

RAM Memory 512 MB SDRAM.

Backplane N.2 VME64x Bus with 2 racks overlapping.

Operating System SUN Solaris ver. 8.0.

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

Hard disk 18,3 GB with SCSI Ultra160 interface.

Additional Memory support 1 CD-R/W driver, compatible to all formats

Diagnostics Built-in test equipment (BITE) with fault detection and isolation capabilities

Power Supply 220 VAC or 115 VAC, single phase, 50/60 Hz

1 KVA Power Consumption.

UPS providing back-up to 31.6 minutes at half load.

ENVIRONMENTAL REQUIREMENTS

Operating range of MIL-STD-2036 par. 5.1.2.17.1 For

temperature inner units

Humidity More than 80% at +40°C

non-condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration 0,25 mm from 2 Hz to 14 Hz, 0.2 g

from 14 Hz to 100 Hz.

Drip-proof MIL-STD-108E.

Shock 0.5 sine, 30 g per 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1042 mm

Width 610 mm

Depth 1100 mm

Weight 130 Kg.

AVAILABLE INTERFACES

n.1 Ethernet 10/100BaseT interface

n.1 SCSI interface

CONSOLE DMSS-2000LF

MULTIFUNCTIONAL CONSOLES FOR SONAR APPLICATIONS



MULTIFUNCTIONAL CONSOLE FOR SONAR CONTROL AND FOR THE DISPLAY OF TACTICAL INFORMATION RELATED TO UNDERWATER.

TECHNICAL SPECIFICATIONS

Display 2 LCD 20.1" monitors, Si/TFT technology, 1280x1024 pixels resolution.

Control desk ECDIS: 1 QWERTY keyboard, 1 trackball

RADAR: 1 programmable "touch screen" keyboard, 1 trackball.

Processor ECDIS: PC Pentium-IV, 2.4 GHz.

FCDIS: 512 MB SDRAM **RAM Memory**

Backplane N.2 VME64X buses in 2 racks.

Extractor and tracker modules.

Operating System SUN Solaris ver. 8.0, patch 21.

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

Hard disk ECDIS: slim 80 GB, IDE interface.

Additional Memory support N.1 DVD/CD-R/W driver, compatible to all formats.

It supports 1 5.25" reader on the front panel.

UPS ECDIS: 12V, 4 Ah battery pack.

Floppy 3,5" slim floppy drive.

Diagnostics Built-in test equipment (BITE) for hardware checking and fault isolation.

220 VAC or 115VAC, single phase, 50/60 Hz. **Power Supply**

3.0 KVA Power Consumption.

Power distribution unit and 2 VME power supply modules.

ENVIRONMENTAL REQUIREMENTS Operating range of temperature

Storage range of temperature From -40°C to 70°C as per Width

MIL-STD 2036 par. 5.1.2.17.1 for

From 0°C to +50°C.

inner units

Humidity More than 80% at +40°C

non-condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration

MIL-STD-167.

1:14-100 Hz, Ampl. 0.2g peak.

Drip-proof MIL-STD-108E.

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1380 mm

1230 mm

Depth 730 mm

Weight 430 Kg.

AVAILABLE INTERFACES

- 3 Ethernet 100BaseTX interfaces

- 1 RS/422 serial port

CONSOLE SEA90



MULTIFUNCTIONAL CONSOLE FOR HYDROSOUND SHEETS APPLICATIONS AND THE DISPLAY OF THE RELEVANT TACTICAL INFORMATION.

TECHNICAL SPECIFICATIONS

Operating System

Display 2 20.1" LCD monitors, Si/TFT technology, 1280x1024 pixels resolution.

Control desk 1 QWERTY (82 keys) keyboard, 1 trackball.

Processor PowerPC 604, 200 MHz.

RAM Memory 128 MB PC.

Backplane VME64x Bus with n.10 slots, n.6 available slots.

Graphic Processor PCM "Dual-head" graphic adaptor, with a 16 MB SGRAM/channel and RGB video

LINX-OS, with drivers for all installed peripherals.

resolution better than 1900 x 1200 pixels.

Hard disk 4 GB with SCSI interface.

DAT 4 GB.

Additional Memory support 1 DVD/CD-R/W Driver, compatible to all formats.

It supports 1 5.25" reader on the front panel

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.

Power Consumption 1.5 KVA.

Power Distribution Unit on the front panel with ON/OFF, FAIL and TEMP. ALARM leds.

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C as per

temperature MIL-STD 2036 par. 5.1.2.17.1 for inner

units.

Humidity More than 80% at +40°C non-

condensina.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration MIL-STD-167-1: 14-100 Hz, Ampl. 0.2g

peak.

Drip-proof MIL-STD-108E.

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1560 mm

Width 584 mm

Depth 855 mm

Weight 165 Kg

STANDARD INTERFACES

- 1 FDDI interface

- 1 NTDS interface

SUPERMAC 230/D/IR

MULTIFUNCTIONAL CONSOLE FOR INFRA RED SURVEILLANCE SYSTEM MANAGEMENT



Description

MULTIFUNCTIONAL CONSOLE FOR THE DISPLAY AND PROCESSING OF INFORMATION AROUT IR SURVEILLAN-CE AND TRACKING SYSTEMS

TECHNICAL SPECIFICATIONS

Two 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution. Display

Control desk 1 rugged QWERTY keyboard, 1 trackball. Can support a multifunctional keyboard.

PC Pentium-III, 1,26 GHz. Processor RAM Memory 512 MB PC-133 SDRAM.

Backplane 10 slots VME64x Bus, 8 slots available.

Operating System Windows 2000 Professional with Service Pack 4 Drivers for all installed peripherals.

PCM "Dual-head" graphic adaptor, with a 16 MB SGRAM/channel and RGB video **Graphic Processor**

resolution better than 1900 x 1200 pixels.

Hard disk 147.3 GB with SCSI Ultra320 interface.

Additional Memory support 1 DVD/CD-R/RW Driver, compatible to all formats.

It supports 1 5.25" reader on the front panel

Floppy 1 IDE floppy driver.

Diagnostics Comprehensive built-in test equipment (BITE) with fault detection and fault isolation.

220 VAC or 115 VAC, single phase, 50/60 Hz. **Power Supply**

Power Consumption 1.5 KVA.

Distribution Unit on the front panel with ON/OFF, FAIL and TEMP. ALARM leds.

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C as per temperature

MIL-STD 2036 par. 5.1.2.17.1 for

inner units.

Humidity More than 80% at +40°C

non-condensing.

Salt MIL-STD-2036 par. 5.1.2.12.2.

Vibration MIL-STD-167-1: 14-100 Hz, Ampl.

0.2g peak.

Drip-proof MII -STD-108F

Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

FMI MIL-STD-461E.

DIMENSIONS

Height 1798 mm

Width 610 mm

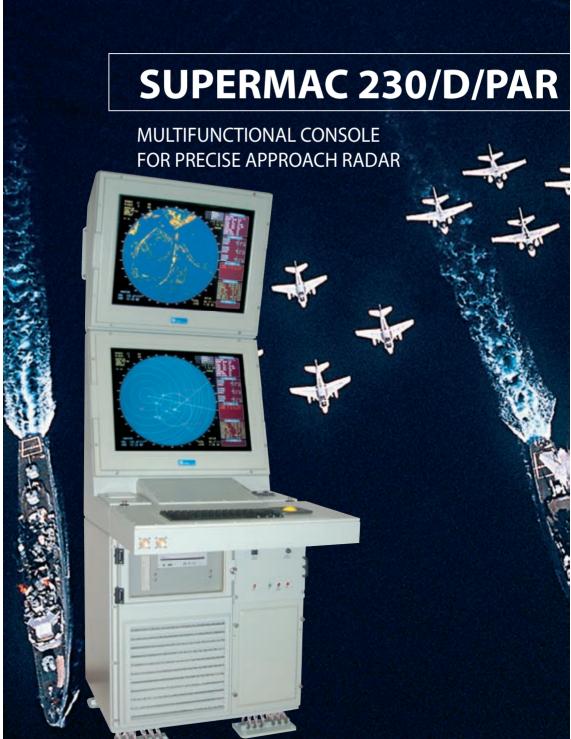
Depth 875 mm

Weight 175 Ka.

INTERFACES STANDARD

N. 3 Fthernet 100BaseTX interfaces

N. 1 RS/422 serial port



MULTIFUNCTIONAL CONSOLE FOR THE OPERATION OF PRECISE APPROACH RADAR SYSTEMS.

TECHNICAL SPECIFICATIONS

Two 23" LCD monitors, Si/TFT technology, 1600x1200 pixels resolution Display

Control desk One rugged QWERTY keyboard, 1 trackball. Can support a multifunctional keyboard.

Processor PC Pentium-III, 1,26 GHz. **RAM Memory** 512 MB PC-133 SDRAM.

Backplane 10 slots VME64x Bus, 6 slots available.

Operating System Windows 2000 Professional with Service Pack 4 Drivers for all installed peripherals.

Graphic Processor PCM "Dual-head" graphic adaptor, with 1 16 MB SGRAM/channel and RGB video

resolution better than 1900 x 1200 pixels.

Hard disk 147.3 GB with interface SCSI Ultra320.

Additional Memory support 1 DVD/CD-R/RW Driver, compatible to all formats.

It supports 1 5.25" reader on the front panel.

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.

ENVIRONMENTAL REQUIREMENTS

Operating range of From 0°C to +50°C as per temperature

MIL-STD 2036 par. 5.1.2.17.1 for

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Humidity More than 80% at +40°C

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0.2g peak.

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Shock 0.5 sine, 30 g for 11 milliseconds.

Safety MIL-STD 2036 par.4.10.

EMI MIL-STD-461E.

DIMENSIONS

Height 1798 mm

Width 610 mm

Depth 875 mm

Weight 175 Kg.

INTERFACES STANDARD

- 8 VME Ethernet Hub 100baseTX

- 1 gateway VME Ethernet-FDDI with n.2 FDDI ring

optical interfaces

- 1 Ethernet 100BaseTX interface

- 2 fibre-optic interfaces with FDDI communications

- 1 interface for BIT remote control



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