COMPOSITE MULTI FUNCTIONAL CONSOLE
(Bi-monitor version)

A new generation of composite multifunctional consoles for marine, aeronautical and terrestrial applications

MAIN FEATURES
• Innovative materials (carbon fiber) for low weight and low magnetic signature
• Modularity for a quickly reconfiguration of the functionalities
• Rugged structure
• Fast operation maintenance with the use of plug in system
• Automatic Diagnostic & Management System
• Ergonomic design
• Military-Standard Qualified

APPLICATION AREAS
• Military
  (Naval, Terrestrial and Aeronautical)

GMA-COMPOSITE MFC
The new composite Multi Functional Console family derives from the wide GMA experience in the design and the production of this kind of device. The MFC is designed to operate in a mission critical application how Naval, terrestrial and avio-transported Combat Management System. The use of standard ruggedized COTS allow high flexibility and a very simple updating.

MAIN CHARACTERISTICS
Full version console composition

• Monitor Assy equipped with:
  N.2 Liquid Cristal Display (21.1” - 4:3)

• Electronic Module Assy equipped with:
  › N.1 19” 1RU Power Distribution Unit
  › N.1 19” 2RU COTS Processing Unit
  › N.1 19” 2RU COTS Processing unit or UPS
  › N.1 19” 1RU Audio Assy Unit or other custom payload
  › N.1 Computer Maintenance and Audio panel (on front)

All devices equipped with a connection plug-in system for fast and secure installation and operational maintenance.

• Desk Assy equipped with:
  › N.2 USB Trackball
  › N.1 USB Keyboard (68 keys)
  › N.1 USB Joystick (res. 8 or 12 bit)
  › N.1 USB Handwheel (res. 12bit)
  › N.1 Touch Input Device (up to 17in wide screen)
  › N.1 4,7in Multi Functional Display
  › N.1 Power Control Panel

The desk is equipped with a connection plug-in system for easy and fast mounting.
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An automatic diagnostic system provides functionality for control and maintenance of all devices mounted on MFC.

TECHNICAL DATA:
- Power supply: 115÷220 Vac 50÷60Hz
- Interface:
  » LAN 1000 BaseT
  » Video Acquisition Input
  » Remote Control Panel
- Operative Shock: 30g 11msec
- Vibration:
  5÷14Hz ±0, 25mm
  14÷100Hz 0,2g
- Operative Temperature: 0÷55°C
- Storage Temperature: -25÷70°C
- Weight: <150kg (full version)
- Dimensions: 1000x720x1500(H) mm
- Management based on SNMP prot.
- marked

MFC MIL-STD REFERENCES

MIL-HDBK-454 General guidelines for electronic equipment

MIL-STD-1472F (23.08.99) - Human Engineering Design Criteria for Military Systems, Equipment and Facilities

MIL-HDBK-2036 General requirements for electronic equipment specification

MIL-STD-461F Electromagnetic Emission and Susceptibility Requirements for the Control of Electromagnetic Interference

STANAG 1008 Ed. 9 Characteristics of Shipboard Low Voltage Power Systems in Warships of the NATO Navies

MIL-S-901D Shock Test, High Impact Shipboard Machinery Equipment and Systems Requirements for

MIL-C-5541 Chemical conversion coatings on aluminum and aluminum alloys

MIL-STD-310G Shipboard Bonding, Grounding and other Techniques for Electromagnetic Compatibility and Safety

MIL-STD-167-1 Test method standard – mechanical vibration of shipboard equipment VIBRATIONS

MIL-STD-810F Test Method Standard Environmental Engineering Considerations And Laboratory Tests SHOCK, TEMPERATURE (OPERATIVE & NOT OPERATIVE) SALT FOG, FUNGUS,


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