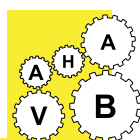


VAHAB



VAHAB

ENGINEERING SERVICE

CONSOLE

General Catalog 2013



CONSOLE

VAHAB Engineering Service



• Workstations Console & PC system

- Vahab's modular operator interface consoles give you the protection and flexibility you need to meet the requirements of your unique application.

These console are fully configurable with your choice of top –middle and bottom sections to ensure that you are addressing you need with a freedom not afforded by unibody solutions.

Material: aluminum

Finish: powder-coated in textured RAL 7035(light gray) or 7032



• Workstations Console & PC system

- Compact ergonomic design
- Light weight
- Front access
- PC or VME processor options
- US Navy MIL SPEC compliant using COTS equipment
- Dual monitor configuration available

• Advanced Modular Construction

- Lightweight
Aluminum and composite materials
- Compact size
Easily fits into small/congested compartments
- Adaptable
Provisions for hosting traditional controls and instrumentation
- Modular design
Permits assembly of multiple-bay console workstation
- Shock Qualified

• Specifications

• Color display

High resolution (1280x1024/SXGA), 20.1" LCD

• Input devices

Standard keyboard and 2"/50mm trackball

• Processor

PC or 6U VME format

• Sound

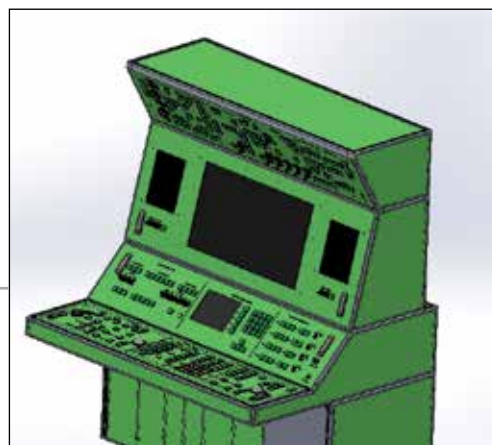
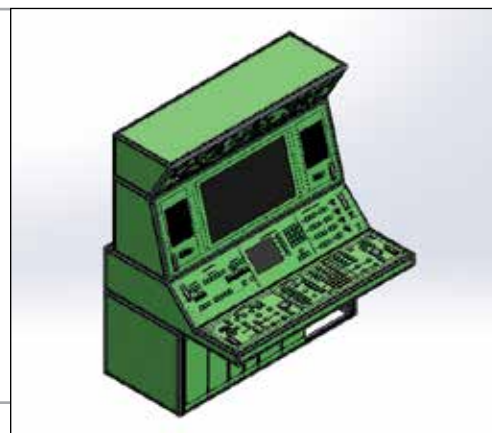
2W speaker

• Network

Two or more 10/100/1000Mbps copper or fiber optic ethernet ports.

• Options Available

- Touch screen
- Hardwired emergency stop pushbuttons
- External shock mounts
- Color to customer specifications



Characteristics

The L-3 MAPPS Standard Marine Console has been designed to meet today's needs for a compact, open-architecture, human-machine interface workstation. The heart of the console is a PC or VME format computer situated in the console base. Using industry standard formats allows for easy adoption of new computer technologies during the ship's life cycle. The standard console will be fitted with a "state-of-the-market" computer and operating system at time of order.

The console is modular in design, allowing ready assembly of multi-console configurations. The range connection segments available permit development of unique configurations to suit Customer needs. These segments may also be used to house traditional instrumentation or communications equipment. Our systems engineering staff works with the Customer to achieve the optimum design integration for the application.

The console's light weight and compact size make it ideal for upgrade and backfit applications where traditional operator consoles are being replaced. The single screen console is completely deck-mounted while the dual screen configuration requires the fitting of a top brace. The console can be completely installed and maintained from the front. This allows the unit to be installed close to bulkheads, freeing up space in congested compartments.



Electrical Characteristics

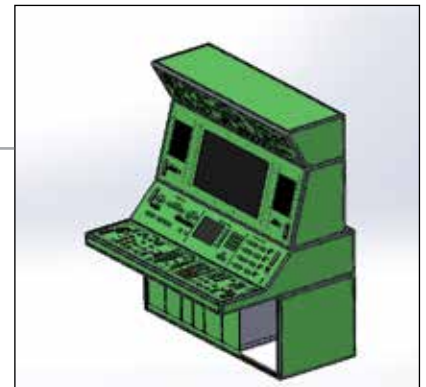
- Power consumption: 300W typ.
- Voltage: per NATO STANAG 1008 limits
- 24 VDC nominal; or
- 115/230 VAC, 50/60 Hz.

Dimensions and Weight

- Height: 1.4m (55")
- Width: 0.7m (28")
- Depth: 1.0m (39")
- Weight: 170kg (375 lb)

Environmental Characteristics

- Operating temperature: 0°C to +50°C
- Non-operating temperature: -20°C to +70°C
- Humidity: up to 95% R.H. condensing
- Vibration: MIL-STD-167-1, 4-25 Hz
- Shock with isolators: MIL-S-901D Grade A, Class II
- Shock without isolators: 15g
- Enclosure degree of protection: IP 23
- EMI: MIL-STD-461E for surface ships



Reliability

- MTTR < 30 minutes (front access)
- MTBF > 6,600 hours

Qualification

- MIL-STD-167-1 (Vibration)
- MIL-S-901D (Shock)
- MIL-STD-461E (EMI)
- MIL-STD-810F (Temperature and Humidity)



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