



COMMAND CONSOLE ERM RUGGED ULTRA SLIM KEYBOARD + DISPLAY FOR EMBEDDED RACK MOUNT APPLICATIONS

The slim Command Console ERM (Embedded Rack Mount) model is designed to be installed in any 19" rack mount system.

The Command Console (ERM) is an ideal solution for integrators building highly mobile, rapid-deployable C4ISR systems. It brings together a 19" flat panel display and a water-tight keyboard and track ball in a compact 2U sub-17" depth package.

Additional features include user programmable dual-function onscreen menu buttons which can be toggled to send commands via the serial port on the rear to components such as a KVM switch.

To further assure rapid deployment, dual quick-lock/release mechanisms hold the display panel firmly in the closed position and allows it to be quickly flipped open and operational. A custom torque adjustable hinge holds the display securely at any viewing angle, in the most turbulent conditions. And optional picture-in-picture (PiP) outputs can be added to display multiple video feeds and reduce the number of total display requirements.

The Command Console ERM is manufactured entirely from lightweight, aircraft grade, CNC machined aluminum and finished with a tough, baked powder coating to provide the utmost strength, durability and light weight in quick deployed situations.

Highlights

- 1280 x 1024 resolution
- Advanced video processor
- Full size waterproof keyboard
- Water proof trackball
- Rugged ultra lightweight packaging
- On-screen menu controls
- Integrates with any work station, PC or X Terminal
- Up to 170 degree viewing angle
- Applications include:
 - Shipboard, Airborne, Field Deployments
- Compatibility:
 - Sun, SGI, DEC, IBM, PC, Mac

SPECIFICATIONS

Command Console ERM Display

LCD Panel

Size:	19"
Native Pixels:	1280 x 1024
Color Palette:	16.7 million
Contrast Ratio:	900:1
Luminance:	300 cd/m2 (typical)
Viewing Angle:	Full +/-80°
Controls:	Operator Control Panel or GUI SoftMenus
Options:	Up to 2 Picture-in-Picture

Power

Power Consumption:	60-110 W (depending on # of PiPs)
Power Supply:	100-240 VAC input @ 50-60Hz

Cabling

Display:	10' cable, HD15
Power Cable:	10' cable, IEC or 6' cable 5015
Serial Cable:	10' cable, DB9

Physical

Size:	3.40"H x 16.93"D x 16.95"W
Weight:	28 lbs.

Environmental*

Operating Temp**:	0° to + 50° Celsius
Non-operating Temp:	-40° to + 70° Celsius
Humidity: 5% to 95%	Non condensing (Design Goal)
Non-operating Altitude:	Up to 40,000 ft.
Operating Altitude:	Up to 20,000 ft.
Sand and Dust:	5.5 MPH for 25 min, (display bezel, keyboard and trackball only) Design Goal
Rain:	MIL-STD-810E (display bezel, keyboard and trackball only) Design Goal
Fungus:	Non Nutrients/contaminants

Reliability

MTBF:	50,000 Hrs (LCD and backlight only)
Maintainability:	<30 minutes

Regulatory

Safety:	UL 60950 (used as a design guideline)
EMC/EMI:	MIL-STD-461E, RE101 Army Limits, RE102, RS101 (Navy Fixed)RS103 (20v/m 2MHz and 60v/m 1GHz-18GHz), CE101 CS114, CS115, CS116, CE101, CE102

EMI Option: RE101 Navy Limits, RE102 Shipboard limits

Quality/Workmanship

IPC / ISO 9001:2000 and applicable section of MIL-HDBK-454

*Environmental test data available upon request. If environment is noted as Design Goal, testing has not been performed.

**Unit will power up and is egible at -20 ° C; backlight life is reduced.

