CORE SYSTEMS



RUGGED MPM7 DISPLAY

Military-Grade Rugged Display

The **Rugged MPM7** is a rugged 7-inch panel mount LCD display designed for military, aerospace, and industrial environments. Built with a shock-mounted design, it features optically bonded anti-reflective glass, a full OSD menu, and an integrated 8-button USB keypad. Tested to DO-160E and MIL-SPEC standards, the MPM7 is engineered for reliable operation across land, air, and maritime applications.

Featuring a 1920 × 1080 display, the MPM7 delivers clear, sunlight-readable visuals in a compact 3U form factor. With DVI, USB, and MIL-Circular power inputs, it integrates easily into mission systems and vehicle platforms. Its rugged design and customizable options make the MPM7 ideal for mission-critical display applications.

- Application-specific design
- Tested to meet military standards
- Built in the USA

Featured Specifications

Dimensions
Height: 5.25” | **Depth:** 2.35“ | **Width:** 9.20”

Display
7" LCD with a full OSD
8-button USB keypad

Resolution
1920 x 1080

Display Input
RGB/DVI/HDMI/HD-SDI/S-Video
Composite (Configurable)

Power
Power options available

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Technical Specifications

Dimensions
Height: 5.25 inches, Width: 9.20 inches, Depth: 2.35 inches
Weight: 3.00 lbs

Display
7" LCD with a full OSD
8-button USB keypad

Resolution
1920 x 1080

Display Input
RGB/DVI/HDMI/HD-SDI/S-Video/Composite (Configurable)

Power
Power options available

Brightness
700

Chassis
Lightweight aluminum chassis

Environmental Specifications

Operational Temperature
-15°C to +55°C; MIL-STD-810F, Method 502.4 Procedure II (Low Temperature) and Method 501.4 Procedure II (High Temperature)

Storage Temperature
-55°C to +85°C; MIL-STD-810F, Method 502.4 Procedure I (Low Temperature) and Method 501.4 Procedure I (High Temperature)

Humidity
MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

Altitude
MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

Vibration
MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-20000Hz, 60 min/axis

Shock
MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

EMC
MIL-STD-461F: CE & RE emissions

Work With Core Systems Today

Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.

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