



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

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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 × 1080

Display Input

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

Power

Power options available



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 × 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

MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

Storage Temperature

MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

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

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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.

Core Systems

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