

# MPM7 - 7" PANEL MOUNT LCD DISPLAY

*Rugged System Built for Extreme Environments*

The rugged MPM7 is a rugged 7" widescreen panel mount LCD with a full on-screen display (OSD) and 8-button USB keypad on the front bezel. The screen is built with optically-bonded anti-reflective glass and has a native resolution of 1920 x 1080. The MPM7 includes inputs for USB, DVI, and MIL-Circular Power Connectors.



**unitronix**  
THE EMBEDDED EDGE

130 Aztec West, Bristol, BS32 4UB  
+44 (0)1454 629679

sales@unitronix.co.uk www.unitronix.co.uk

**CUSTOM BUILT  
RUGGED DISPLAY**



**MISSION-READY PANEL MOUNT**

- ▶ SUNLIGHT READABLE
- ▶ MOUNTING/POWER OPTIONS
- ▶ HD LCD
- ▶ MIL-SPEC TESTED
- ▶ BUILT IN THE USA



The rugged MPM7 is shock mounted and has been tested to meet DO-160E standards. Our LCDs go under rigorous MIL-Spec testing to ensure the highest quality ensuring the MPM7's ability to thrive in a variety of applications on the ground, in the air and out at sea.

**For more info on the MPM7 7" LCD display, please visit [www.core-systems.com](http://www.core-systems.com)**

# MPM7 - 7" PANEL MOUNT LCD DISPLAY

## TECHNICAL SPECIFICATIONS

MECHANICAL	Height - 5.25 in (13.33 cm) Width - 9.2 in (23.36 cm) Depth - 2.35 in (5.96 cm) Weight - 3 lbs (1.36 kg)
DISPLAY SIZE	7" HD LCD
RESOLUTION	1920 X 1080
DISPLAY INPUT	DVI-D x 1 USB-A x 1 Mil-Circular Power Connector 8-button USB keypad on front bezel
OSD	Contrast/Brightness, Autosetting, Clock/Phase, Horizontal/Vertical, Position/Expansion/OSD, Text/Graph, Mode Selection, Color Temperature
POWER	50W 18-36V DC

## ENVIRONMENTAL SPECIFICATIONS

OPERATIONAL TEMP.	MIL-STD-810F, Method 501.5 Procedures I/II; -15°C to +55°C
STORAGE TEMP.	MIL-STD-810F, Method 501.5, Procedures I/II; -55°C to +85°C
HUMIDITY	MIL-STD-810F, Method 507.4; 48 Hour, 95% RH 40-65C (with conformal coat option)
ALTITUDE	MIL-STD-810F, Method 500.4; 12,500ft operation with 40,000ft transport
VIBRATION	MIL-STD-810G, Method 514.6 Procedure I; 4.43 GRMS, 5-20000Hz, 60min/axis
SHOCK	MIL-STD-810G, Method 516.6, Procedures I/V; 20g, 11msec - functional shock; 40g, 11msec crash hazard shock
OTHER	MIL-STD-461F CE & RE emissions (with 461 filter option)



### ABOUT US

Core Systems is a premier manufacturer of best-in-class rugged computers and rugged displays. We design and manufacture all of our products in Poway, California. Our 65,000+ square foot facility features onsite engineering, assembly, and testing along with a complete metal fabrication and machining facility. Our wide range of rugged products are deployed in ground vehicles, aircraft, and maritime installations worldwide.