



Marine Grade Fanless Splashproof
12.1" Touchscreen
Integrated Computer/ Monitor

MPC-SPC12

The MPC-SPC12 is a marine grade flat panel Active Matrix LCD Monitor combined with an Intel QuadCore Atom Mobile Processor and is designed for rugged use on or off bridge in semi-protected areas. The 12.1" XGA (1024x768) LCD utilizes LED technology to enhance viewing in daylight. The MPC-SPC12 front is fully sealed to IP65 in the front and rear with waterproof connectors. It comes standard with a waterproof touch screen that is fully operational even when wet. The MPC-SPC12 utilizes an ultra-low power 1.91 GHz. Intel QuadCore Atom E3845 mobile processor for low wattage and high performance. It comes standard with a 300GB hard drive (or 128GB SSD), 2GB RAM, Ethernet, 3-USBs, 1 - RS-232 COM. The MPC-SPC12 is available with Windows7 Pro, Win10 or Linux. The normal operating temperature range is 0 to +50°C (-20 to 60°C with Solid State Hard Drive) making it suitable for use in almost any climate without special conditioning. The anti-corrosion stainless steel case is designed for flushed-in mounting or can be used with a standard VESA mount. Common applications include electronic chart plotter, virtual instrumentation, sounder, operator interface or as a weather computer. It is available with hard drive and memory upgrades and wireless LAN.



Standard Features

- Sealed Stainless Steel Case Rated IP65 Splashproof.
- 12.1" XGA Color LCD, 300nit LED Backlight.
- Waterproof Touchscreen.
- 1.91 GHz. Ultra-Low Power Intel QuadCore CPU.
- 300GB Hard Drive or 128SSD (upgradable).
- 2 GB DDR3 RAM (upgradable to 8 GB).
- Ethernet, 10/100/1000BaseT (Dual optional).
- Optional Wireless LAN 802.11 b/g/n.
- Windows7 Pro, Win10 or Linux.
- Exceptional Temperature Range: -20 to +60°C.
- Standard Flush Bezel for Console Mounting.
- Optional VESA Mount.
- Powered from 12 or 24 VDC nominal.
- 1 - RS-232 COM, 3 - USBs, 2x Sealed Speakers.



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Specifications

Display	12.1" Active Matrix TFT LCD: XGA (1024x768) Native Resolution
Brightness	600 nits low power LED Backlight, Dimmable to ~1 nit, Upgradable to ~1,000 nits
Touchscreen	Analog Resistive Waterproof Touchscreen, 35 Million Activations
Processor/Chipset	Intel QuadCore Atom 1.91GHz. CPU E3845, Fanless Cooling
Hard Drive	300 GB Hard Drive (or 128GB SSD), Upgradable to 250 or 500GB or 1TB Solid State, or 500 GB or 1TB HD
Memory	2 GB DDR3 1066MHz. (Upgradable to 8 GB)
Networking	1 - 10/100/1000BaseT RJ-45 (Dual LAN optional)
Wireless	Optional Wireless LAN IEEE 802.11 b/g/n
Inputs/Outputs	1 - RS-232, 3 - USB 2.0, 2 - Waterproof Speakers
Operating System	Windows7 Pro (32 or 64-bit) or Win10 Optional: Linux
Housing	IP65 Splashproof Sealed Stainless Steel Front, Rear Aluminum Heat Sink
Mounting	Flush Mount Bezel for Console Mounting Standard, Optional VESA100 Mounting
Power	9-30 VDC, 60 watts (AC Adapter Optional)
Basic Dimensions	12.25" x10.84" x 2.29" (311mm.x 272mm.x58mm.)
Weight	Net: 9.5 lb. (4.3 kg.) Shipping: 12 lb. (5.5 kg.)
Standards	CE, FCC Class A