



Marine Grade Fanless  
15" Touchscreen  
Integrated Computer/ Monitor

# MPC-OPC15

The MPC-OPC15 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 15" XGA (1024x768) LCD utilizes LED technology to enhance viewing in daylight. The MPC-OPC15 front is fully sealed to IP65 in the front and IP22 in the rear. It comes standard with a waterproof touch screen that is fully operational even when wet. The MPC-OPC15 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, 6-USBs (2-front, 4-rear, 2-internal), 2 - RS-232 and 1-RS232/422/485 COMs. The MPC-OPC15 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 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 Aluminum Front Rated IP65 Splashproof.
- 15" XGA Color LCD, 300nit LED Backlight.
- Waterproof Touchscreen.
- 1.91 GHz. Ultra-Low Power Intel Core Atom CPU.
- 300GB Hard Drive (or 128GB SSD) 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 or 2 - COMs, 2 or 4 - USBs, HDMI Out, Audio.





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## Specifications

❑	<b>Display</b>	15" Active Matrix TFT LCD: XGA (1024x768) Native Resolution
❑	<b>Brightness</b>	350 nits low power LED Backlight (Upgradable to ~1,000 nits)
❑	<b>Touchscreen</b>	Analog Resistive Waterproof Touchscreen, 35 Million Activations
❑	<b>Processor/Chipset</b>	Intel QuadCore Atom 1.91GHz. CPU E3845, Fanless Cooling
❑	<b>Hard Drive</b>	300 GB Hard Drive (or 128GB SSD), Upgradable to 250, 500GB or 1TB Solid State, or 500 GB or 1TB HD
❑	<b>Memory</b>	2 GB RAM, Upgradable to 8 GB, DDR3 1333MHz.
❑	<b>Networking</b>	1 - 10/100/1000BaseT RJ-45 (Dual LAN optional)
❑	<b>Wireless</b>	Optional Wireless LAN IEEE 802.11 b/g/n
❑	<b>Inputs/Outputs</b>	1 - RS-232/422/485, 2 - USB 2.0 (4 - optional), 1 - HDMI, Audio LineOut, PS-2 KMS
❑	<b>Operating System</b>	Windows7 Pro (32 or 64-bit), Win10 Optional: Linux
❑	<b>Housing</b>	IP65 Splashproof Sealed Front, Aluminum Rear Case with Aluminum Heat Sink
❑	<b>Mounting</b>	Flush Mount Bezel for Console Mounting Standard, Optional VESA100 Mounting
❑	<b>Power</b>	9-30 VDC, 60 watts (AC Adapter Optional)
❑	<b>Basic Dimensions</b>	13.77" x10.78" x 2.2" (350mm.x 274mm.x53mm.) Cutout: 13.08" x 9.93" (260mm.x235mm.)
❑	<b>Weight</b>	Net: 9.25 lb. (4.2 kg.) Shipping: 14 lb. (6.4 kg.)
❑	<b>Standards</b>	CE, FCC Class A

