



Marine Grade Fanless
17" Touchscreen
Integrated Computer/ Monitor

MPC-OPC17

The MPC-OPC17 is a marine grade flat panel Active Matrix LCD Monitor combined with an Intel DualCore i5 Mobile Processor and is designed for rugged use on or off bridge in semi-protected areas. The 17" SXGA (1280x1024) LCD utilizes LED technology to enhance viewing in daylight. The MPC-OPC17 front is fully sealed to IP65 in the front and IP41 in the rear. It comes standard with a waterproof touch screen that is fully operational even when wet. The MPC-OPC17 utilizes an ultra-low power 2,40 GHz. Intel DualCore i5-6300U mobile processor for low wattage and high performance. It comes standard with a 250GB solid state hard drive, 8GB RAM, Dual Ethernet, 4-USB3.0, 1 - RS-232 and 1-RS232/422/485 COMs. The MPC-OPC17 is available with Windows10 or Linux. The normal operating temperature range is -10 to +50°C 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 variety of VESA mounts. Common applications include electronic chart plotter, virtual instrumentation and monitoring, sounder, operator interface or as a weather computer. It is available with hard drive and memory upgrades, optional sunlight readable 1,000 nit backlight and wireless LAN.



Standard Features

- Sealed Aluminum Front Rated IP65 Splashproof.
- 17" SXGA Color LCD, 350nit LED Backlight.
- Waterproof Touchscreen.
- 1.91 GHz. Ultra-Low Power Intel Core Atom CPU.
- 250GB Solid State Hard Drive, upgradable.
- 8GB DDR4 RAM (upgradable to 16 GB).
- Dual Ethernet, 10/100/1000BaseT.
- Optional Wireless LAN 802.11 b/g/n.
- Windows10 or Linux Fedora.
- Exceptional Temperature Range: -10 to +50°C.
- Standard Flush Bezel for Console Mounting.
- Optional VESA Mount.
- Powered from 12 or 24 VDC nominal.
- 2 - COMs, 4 - USBs, HDMI Out, Audio.





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Specifications

| | |
|-------------------|--|
| Display | 17" Active Matrix TFT LCD: SXGA (1280x1024) Native Resolution |
| Brightness | 350 nits low power LED Backlight (Upgradable to ~1,000 nits) |
| Touchscreen | Analog Resistive Waterproof Touchscreen, 35 Million Activations |
| Processor/Chipset | Intel DualCore 2.40GHz. CPU i5-6300U, Fanless Cooling |
| Hard Drive | 250 GB Solid State Hard Drive Upgradable to 500GB, 750 or 1TB Solid State |
| Memory | 8GB RAM Upgradable to 16 GB, DDR4-2133MHz. |
| Networking | 2 - 10/100/1000BaseT RJ-45 |
| Wireless | Optional Wireless LAN IEEE 802.11 b/g/n |
| Inputs/Outputs | 1 - RS-232, 1 - RS-232/422/485, 4 - USB 3.0, 1 - HDMI, Audio LineOut |
| Operating System | Windows10(64-bit), Optional: Linux |
| Housing | IP65 Splashproof Sealed Front, IP41 Aluminum Rear Case with Aluminum Heat Sink |
| Mounting | VESA100 Mounting Standard, Flush Mount Bezel for Console Mounting Optional |
| Power | 12-26 VDC, 60 watts (AC Adapter Optional) |
| Basic Dimensions | 15.45" x12.8" x 2.34" (392.5mm.x 325.1mm.x59.5mm.) |
| Weight | Net: 11.45 lb. (5.2 kg.) Shipping: 16.5 lb. (7.5 kg.) |
| Standards | CE, FCC Class B, IEC60068-2-64 &-27 (Shock and Vibration) |