MARINE**NAV**

Built North Atlantic Tough
Trusted Everywhere

FRONT VIEW OF X1 STANDARD RACK SYSTEM

▶ X1 RACK SYSTEM

Marine computer rackmount installations are a convenient and flexible installation solution for almost any vessel. MarineNav's X1 Rack System is a perfect combination of quality and value and is offered in both a standard and fanless configuration. Built with proven industrial grade hardware, these marine grade computer systems will provide you with all the power you need for your vessel's navigation and system operations.

Small on price but big on power – our X1 Rack Systems feature Intel Quad Core processors and come standard with a 120 GB Solid State Drive and 1 TB hard drive. The X1 Rack System has been designed to give you reliable worry-free service for years to come.

▶ X1 STANDARD FEATURES

- *Intel i5 Quad Core processor*
- *8 GB DDR3 RAM*
- *120 GB Solid State Drive*
- *1 TB Hard Drive, upgradeable*
- *Four expansion slots (1 PCIx16, 1 PCIex4, 2 PCI)*
- *0°C to 50°C operating temperature*

▶ X1 FANLESS FEATURES

- *Intel J1900 Quad Core processor*
- *8 GB DDR3 RAM*
- *120 GB Solid State Drive*
- *1 TB Hard Drive, upgradeable*
- *Three graphics outputs*
- *Three expansion slots (1 x PCIe/16, 2 PCIe/1)*
- *0°C to 50°C operating temperature*

► X1 RACK SYSTEM SPECIFICATIONS

Features	X1 Standard	X1 Fanless
Type	Navigation & multimedia	Navigation & multimedia
Form Factor	2U Rackmount	2U Rackmount
CPU	Intel i5 Quad Core	Intel J1900 Quad Core
RAM	8 GB DDR3	8 GB DDR3
Solid State Drive	120 GB, upgradeable	120 GB, upgradeable
Hard Drive	1 TB, upgradeable	1 TB, upgradeable
Optical Storage	Available option	Available option
I/O Ports	2 x RS232/422/485 Serial Ports standard (upgradeable), PS2, HDMI, DVI, 8 USB (6 USB 2.0, 2 USB 3.0 rear), Audio in/out	RS-232 Serial Port, PS2, VGA, HDMI, DVI, 5 USB 2.0 (2 front, 3 rear), 1 USB 3.0 (rear), LAN RJ45, Audio in/out
Video	Intel HD, upgradeable	Intel HD, upgradeable
Expansion Slots	1 PCIx16, 1 PCIex4, 2 PCI	1 PCIe 2.0 x16, 2 PCIe 2.0 x1
LAN	2 x 1000/100/10 LAN	1 x 1000/100/10 LAN
Operating System	Windows 7 Professional 64bit	Windows 7 Professional 64bit
Display	Can support dual independent screens	Can support dual independent screens
Power	100~240V AC	9~30V DC
Operating Temperature	0°C - 50°C / 32°F - 122°F	0°C - 50°C / 32°F - 122°F
Operating Humidity	20% - 80%	20% - 80%
Vibration Control	Dual independent vibration control	Dual independent vibration control
Dust Control	User replaceable filters	User replaceable filters
Dimensions	430 mm x 387 mm x 88 mm (16.9" x 15.25" x 3.5")	430 mm x 387 mm x 88 mm (16.9" x 15.25" x 3.5")
Fitting Options	Optional rack rails available	Optional rack rails available
Product Standards	CE, FCC, UL, ISO 9001:2008	CE, FCC, UL, ISO 9001:2008
Warranty	2 years (2nd year with registration*)	2 years (2nd year with registration*)

product must be registered within first year of warranty

*MarineNav products are available in a multitude of configurations to provide maximum flexibility and user convenience. Contact us or visit our website at **www.marinenav.co.uk** for more details.*

While we strive to ensure the accuracy of all items and descriptions in this document, this is not always possible. Specifications, options, and availability subject to change without notice. Errors and omissions excepted. We reserve the right to limit quantities.