wemar nautipad
Marine Instrumentation System

Navigate with confidence

Nautipad is an incredible, purpose built platform that delivers a new generation of portable boat instrumentation displays and remote interactive boat systems control.

It provides unlimited number of instrument applications presented on easy to use, handheld, intuitive displays with touch screen interface. Initial set of applications includes instruments like Wind, Multidata and Autopilot. A brand new, patented Anchorpilot instrument, designed to help navigators position and place the boat's anchor appropriately is introduced for the first time. Various alarms, including Wind speed and Anchor drift are built into the system, allowing carefree sleep simply by placing the Nautipad under the pillow.

Nautipad Tablet devices are:

✓ Handheld 15 cm (6''), 3:4 diagonal, thin and lightweight, always-on, robust instrument displays,

✓ Containing crisp and detailed E-ink Pearl display, providing 800×600 screen resolution with 16 level greyscale,

✓ Providing extremely high contrast and perfect sunlight visibility at near to 180° viewing angle,

✓ Illuminated by adjustable Edge-Lit LEDs, providing clear visibility at night,

✓ Delivering all touch, no-button control with highly sensitive, capacitive touch interface,

✓ Introducing waterproof, dustproof, shockproof and scratch resistant heavy-duty construction,

✓ Enabling Wi-Fi connectivity for continuous connection to Nautipad Server,

✓ Allowing days of autonomy, based on high performance Li-Po batteries, chargeable via Micro-USB connector.

Nautipad Server is customized, highly capable, industry standard quad-core computer, utilizing open-source platform and best in class technologies.

Nautipad Server comes preloaded with open-source operating system and all currently available applications. It has built-in Wi-Fi access point, one NMEA 0183 Module and two available USB module slots inside. Currently available interface modules are additional NMEA 0183 modules and SeaTalk module for integration with legacy instrumentation systems. NMEA 2000 devices can be connected to the NMEA 0183 module via NMEA 2000 Gateway. There are also two control modules available; Autopilot and Anchorpilot.

Nautipad Server technical specifications:
- ✓ Quad-Core 1.7 Ghz ARM Cortex-A9
- ✓ 2Gb RAM
- ✓ 8 Gb e-MMC memory
- ✓ 802.11 b/g/n High-Gain Wi-Fi Access Point
- ✓ Detachable 4dBi antenna with RP-SMA connector
- ✓ USB port for software upgrade and MP3 Flash Drive music source
- ✓ Internal 3.5mm headphone jack for MP3 playback
- ✓ 3 internal module expansion slots (USB)
- ✓ One slot populated with NMEA 0183 Module
- ✓ Dimensions (H/W/D): 73 × 110 × 220 mm
- ✓ Weight: 670g (incl. 3 modules)

Nautipad Autopilot is utilizing Autopilot Control Unit from TMQ.

TMQ autopilots are renowned for their durability, reliability, accuracy and ease of operation. Over 30 years of experience in the design of marine autopilots for the commercial fishing industry is evident in the quality. All TMQ accessories, like pilot heads, remote controls and electric steering wheels can be combined with Nautipad Autopilot.

Nautipad Autopilot
Contains all necessary hardware, including: C-Drive System Control Unit, Electronic Compass, Rudder Feedback Unit, NMEA 0183 Nautipad interface and all cables and connectors ✓

Nautipad Software is:

- ✓ Highly intuitive, providing zero-user-manual experience.
- ✓ Providing abundant, information reach descriptions of fields and buttons.
- ✓ Universal and standards based.
- ✓ Running on Linaro open source Linux, utilizing Python programming language and designed by widespread web tools like HTML, CSS and JavaScript.
- ✓ Open to developer community, allowing limitless customization and endless expandability.
- ✓ Easily upgradeable via dedicated USB port.

Nautipad Applications:

- ✓ Available now: Wind, Multidata, Autopilot and Anchorpilot.
- ✓ Coming soon: Compass, GPS, Weather Station, MP3 player and Race timer.
- ✓ Coming later: Tide Prediction, A/V (Power) Meter.
- ✓ Under consideration: Chart Plotter, AIS, Navtex, Trim Tab Control, Pitch&Roll, Fluid Levels, Fuel Flow, Gangway Control, etc.

Configurations:

- ✓ Nautipad System is designed as a fully functional standalone system of networked navigation instruments – just connect NMEA sensors like Airmar DST800 and WX150.
- ✓ Alternatively it can be integrated with existing networks via NMEA 0183 and NMEA 2000.
- ✓ Nautipad server can also integrate with legacy navigation systems, based on Seatalk.
- ✓ Minimum configuration is one Nautipad Server and one Nautipad Display.
- ✓ Maximum configuration is 4 Displays and 3 interface or control modules.

Nautipad Tablet technical specifications:

- ✓ Dimensions (H/W/D): 154 × 123 × 9 mm
- ✓ Weight: 220g
- ✓ Screen Resolution: 800 × 600 (16 level greyscale)
- ✓ Battery: Li-Po 2600 mAh
- ✓ Wi-Fi – IEEE 802.11 b/g/n compliant, max. 54 Mbit/s
- ✓ Water/Dust resistance: IP 67
- ✓ Operating temperature: 0℃ to + 60℃
- ✓ Min. 24h continuous data presentation
- ✓ Up to 3 weeks standby time

Ordering Info:

Nautipad Display:
- o Black / White (art.no: W3-10-001 B or W)

Nautipad Server:
- o Includes Wi-Fi Module, NMEA 0183 Module and 2 Module Slots (art.no: W6-10-001)

Nautipad Holders:
- o Top loading, slide-in holder with tilt swivel (art.no: W3-30-010)
- o Top loading, slide-in active holder with tilt swivel and 12-24V charger (art.no: W3-30-015)

Nautipad Value Packs:
- o Starter Pack 1: 1 Server, 1 Display, 1 Active and 1 Passive Holder (art.no: W6-50-011 B or W)
- o Starter Pack 2: 1 Server, 2 Displays, 1 Active and 2 Passive Holders (art.no: W6-50-012 B or W)
- o Starter Pack 3: 1 Server, 3 Displays, 1 Active and 3 Passive Holders (art.no: W6-50-013 B or W)

Nautipad Interface Modules:
- o NMEA 0183 Module (art.no: W7-10-003)
- o NMEA 2000 Gateway (art.no: W7-30-009)
- o SeaTalk Module (art.no: W7-20-004)

Nautipad Control Modules:
- o Autopilot: Control Unit, Rudder Feedback Unit, Electronic Compass and NMEA 0183 Module (art.no: W8-30-005)
- o Anchorpilot: Wireless Windlass Control Module and Anchorman BR1 Chain Counter Base Station (art.no: W8-40-007)

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