

NA04-0002-N2000

NAVIOP offers a wide range of products that can be used stand-alone, to make limited checks or to show small size boats' data, or that can be included within wider configurations for complete control and monitoring systems.

Please contact our official dealer for your Country to choose the most suitable configuration for your project.

T-BOX N2000



The T-BOX N2000 PLC is designed specifically for use in marine environments. Its fully waterproof die-cast aluminium enclosure has excellent thermal transfer properties.

The product can support the most widely used communication standards.

Up to 4 CANBUS ports (one with Power Supply), **1 NMEA2000 communication port** 3 communication ports configurable as RS232/422/485 and 10/100Mbit Ethernet port guarantee the possibility to interface with almost all board systems. All communication ports are electrically isolated.

More than 50 communication protocols implemented (engines, air conditioning, generators, battery chargers, entertainment systems, digital switching systems, etc.) and bridge functionality between different communication protocols with NAVIOP monitoring and control software onboard.

Powerful and intuitive programming with the CodeSys development tool based on IEC 61131-3.

Available features (depending on the model):

- Data acquisition and transfer: collected data can be transferred via the Ethernet interface.
- Data log and black box: the data log can be downloaded locally or remotely using the Ethernet port.
- Alarm management and history: the alarms and the alarm history list can be saved and downloaded via the Ethernet interface.
- Web server: the collected data can be published on web pages and displayed by the most common browsers. Log data can be accessed via FTP or sent via e-mail.
- NMEA2000 port which allows the communication with all the products of the NMEA2000 network

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Memory

Memory: 128MB DDRAM
 User Memory: 64MB internal flash disk

Communication ports

Port 1: Ethernet 10/100 Mbit
 Port 2: CAN
 Port 3: RS-232/422/485
 Port 4: CAN
 Port 5: CAN
 Port 6: RS-232/422/485
 Port 7: CAN
 Port 8: RS-232/422/485
 Port 9: NMEA2000
 Connectors: M12, 8 contacts connector (type LUMBERG PG9 RSHL 8/S 5,5)

Controller

CPU: MIPS 200Mhz

Ratings

Power supply voltage: 18-32 VDC
 Power consumption: Max 1A at 24 Vdc

Environmental conditions

Operational temperature: 0 ÷ 50 °C
 Storage temperature: -20 ÷ +70°C
 Operative and storage humidity (RH%): 5 ÷ 85 % RH
 Protection class: IP67 (front), IP66 (back)

Dimensions

Weight: Approx. 1,9 kg

Housing

Mechanical dimensions (max): 192x132x55 mm

Approvals

CE: EN 61000-6-4, EN 61000-6-2 for installation in industrial environments
 DNV: In progress
 NMEA2000: NMEA2000 certification
 RINA: Type of certification for installation in naval environments in compliance with the RINA TYPE APPROVAL

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