

Sailing, wind and more

The Original
Manufactured in Germany

spimarine tinybyte eng ©2010

TinyByte onboard-PC

More leisure, more safety, more fun

A must-have: Today a sailing yacht needs an onboard suited, firmly inserted PC. Energy efficiently and insensitively. That saves countless devices and initial costs. The solution should be handled as simple as possible, so that also a not too experienced owner can use it without restrictions.

SPI Marine is proud to announce the introduction of the TinyByte onboard computer. Conceived by experienced mariners. Developed and tested in real world voyages. Absolute attention to virtually every detail.

Low Power Consumption: The TinyByte uses a special processor with extremely low power consumption. Using 25 W on average the TinyByte needs less power than a typical navigation light!



With the integrated power supply unit (6 V-26 V) the TinyByte gets its energy from the onboard battery.

TinyByte comes with 2 GigaByte Memory and has a special shock-resistant drive with 160 GByte capacity. More than enough for storage of e.g. high resolution nautical charts.



ONBOARD SUITED
COOL DESIGNED
EASY TO USE
ENERGY EFFICIENT



Today's navigator needs fast accurate data from several sources. Available software can analyze meteorological observations to allow precise forecasting and assist in voyage planning.

Unlike a laptop, TinyByte offers numerous ports for NMEA compatible devices. (GPS, onboard instruments etc.) Mouse, keyboard, TFT Monitor as well as printer connections are provided. In addition the MPEG-2 decoder for DVD playback has very high resolution graphics. FireWire and USB interfaces for CD, DVD, scanner, photo and video equipment enables TinyByte to be a full Multi-Media center.

Thanks to its small size (8.2" x 3" x 7^{3/4}") the TinyByte onboard computer has been optimized to fit into the panel of most sailing and motor yachts. TinyByte comes delivered with Microsoft Windows XP PRO pre-installed.

Technical data

1,6 GHz processor for low batterie consumption (current consumption with 12 V DC standby: <200 mA, typical: < 1,2 A, with disc- and CPU full load maximum: <1,5 A)
Working storage: 2 GigaByte
Harddisc: 160 GByte, shock-resistant version
TFT-monitor-port incl. MPEG-2 decoder for DVD playback
Mouse and keyboard: PS/2-ports (optional: wireless)
Irda Infrarot via adapter for printer, mobile phone etc.
8 fast USB 2.0 ports for exgternal devices (harddisc, CD, DVD, camera, NMEA/USB multiplexer)

4 serial ports (V24/RS232C) for NMEA compatible devices (GPS, radio receiver), up to 124 per USB/serial-converter possible
Network connection: RJ-45 LAN 10/100/1000 GigaByte
Ethernet, datatransfer to notebook
Audio: 5.1 digital sound OUT, line IN, microphone, CD IN
TV OUT: S-Video und composite OUT for TV/Video recorder
Corpus and inner parts special steel V4A
Frontcover aluminium eloxed and scrapesafe enamelled

Power supply: 6 V to 26 V power unit integrated (reverse batterie protected). Internal fuse. 220V power pack incl.
Measures: ca. B 8.2", H 3.0", T 7.75", ca. 2 kg
Microsoft Windows XP PRO pre-installed
16 chanel GPS receiver integrated
CE-attestation of conformity, EMV conformity certified: EN55022, EN55024, EN61000-4(2-11)

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