

MatysOnBoard IRIDIUM

Marine Communications & Monitoring Solution

MatysOnBoard is a breakthrough marine communications and monitoring solution that provides yacht support services anytime, anywhere. More than just a tracking application, the state-of-the-art solution uniquely integrates a robust onboard wireless data communicator and a one-stop 24/7 contact center providing access to international yachting service providers. **MatysOnBoard** facilitates safer and more efficient offshore yachting for commercial vessel operators and private yacht owners worldwide.

MatysOnBoard is available in three series that support the main global coverage satellite technologies for marine applications: Iridium, Orbcomm, and Inmarsat D+.

Key Capabilities

Tracking

- Automatic Web-based tracking with positions displayed on nautical charts
- User-controlled tracking frequency
- Real-time position updates for selected users, family and friends

Emails

- Unique e-mail address – myboat@matysonboard.com
- Dedicated satellite email application integrated into MS Outlook
- Flexible email retrieval at sea or on land
- User selection of CSD or SBD modes for cost-effective email transmission

Internet

- Supports Iridium World Data Services

Sat-Voice Telephony

- Enables use of standard phone equipment including cordless handset

24/7 Contact Center for Information & Support

- Distress signals trigger operator confirmation and professional response
- Technical and logistical consultation
- Medical consultation by qualified support team
- Location-based weather forecasts



Matys Integrated Communicator

Designed for marine applications and proven at sea, this compact, lightweight unit incorporates global coverage satellite and cellular modules for cost-effective two-way communications and vessel tracking.

Dual-mode satellite and cellular (GPRS/GSM) communications

Integral GPS for pinpoint positions, heading and speed

Two easy-to-use alarm push buttons for level-1 and level-2 emergency response that automatically send out distress signals with vessel's ID and position

Unique data transfer and monitoring by SBD mode

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Features & Specifications

Onboard System Components

MATYS integrated Iridium/cellular communicator with built-in GPS module

Iridium L-band transceiver (LBT)

Antennas

Iridium fixed-mast marine antenna and cable (variable lengths)

GPS antenna: 52 x 43 x 13 mm with 5 m cable

Connections

Laptop/PC connection with RS232 cable

Telephone line with RJ11 jack

Digital/analog I/O connection cable for interfacing various external devices (optional)

Interface

LCD display: up to 32 characters at one time

Functional keyboard and easy-to-use push buttons

2 alarm push buttons for level-1 and level-2 emergency response

Power

Input: 12 volt (24 volt optional)

Current draw: 210 mA in SBD receive mode, 340 mA average in SBD transmit mode, 580 mA average in CSD or voice transmit mode

External or internal backup battery (optional)

Physical

Matys Integrated Communicator

Dimensions: 210 x 146 x 48 mm

Weight: ~700 grams

Iridium L-band transceiver (LBT)

Dimensions: 216 x 83 x 39 mm

Weight: ~660 grams

Temperature

Operating: -10°C to +55°C

Storage: -20°C to +65°C



MatysOnBoard Ltd.

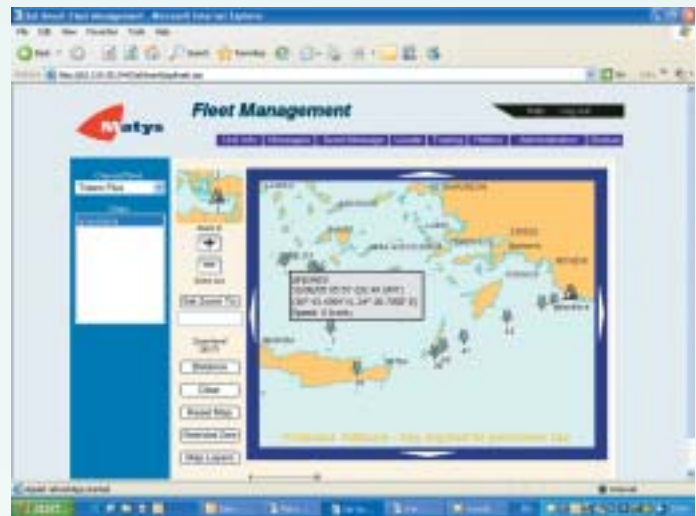
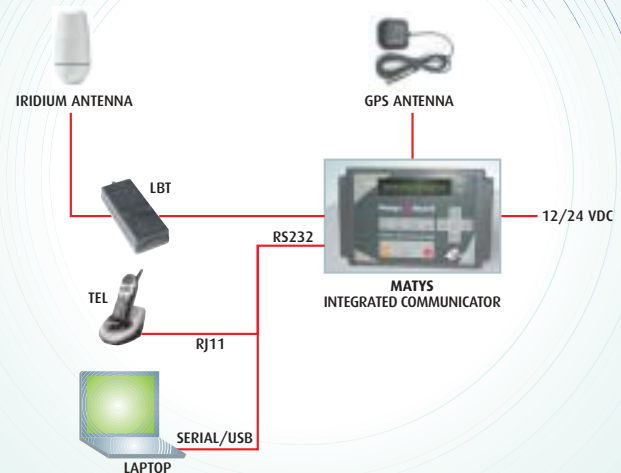
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MatysOnBoard IRIDIUM Configuration

Compact ■ Easy to install ■ User friendly



Web-Based Tracking

About Matys

Matys develops, markets and supports unique marine telematics solutions. The company's flagship product line, **MatysOnBoard**, comprises state-of-the-art marine communications and monitoring solutions for commercial vessel operators and private yacht owners worldwide. A privately held company, Matys is a subsidiary of ITURAN, a leading international supplier of vehicle tracking and communications systems.