

## The professional AtoN Type 3 solution

The Nauticast AtoN2-3 offers full Aid-to-Navigation functionality in compliance with IEC 62320-2 Ed. 2 for maritime shipping and also with the latest draft paper on AtoN use in EU Inland shipping (draft version 1.2). It transmits all standard AtoN messages on 2 channels in configurable mode. Encrypted communication for VDL configuration and transmission of sensor data are supported. For floating AtoNs off-position monitoring is available. Various energy saving features can be configured.

It is available as board only or with various casing alternatives. External sensors can either be connected via serial interfaces or an additional sensor board.

The Nauticast AtoN2-3 is supported by a powerful Windows application Link2AIS. It facilitates device configuration with pre-configurable setting templates.

In connection with a base-station or a land-based Nauticast AtoN2-3 (or other AIS capable of transmitting the encrypted VDL configuration according to IEC 62320-2 Ed. 2) remote AtoNs may be configured and monitored. Configurations may be relayed over predefined chains.

Link2AIS offers to view AIS data in list format and as a chart overlay with various maps. All communication data can also be logged.

### Main features

- Messages 6, 7, 8, 12, 13, 14, 21, 25
- Transmission of message 21 using RATDMA or FATDMA modes A, B or C
- 128bit AES encrypted communication
- Excellent reception quality
- Reception of all message types according to IEC 62320-2 Ed. 2 for AtoN type 3
- Configuration on serial interface or via VDL, also supporting VDL chaining
- Off position monitoring — various response options
- Support of 16 Synthetic/Virtual AtoNs
- USB interface for PC link (Link2AIS software)
- Optional relay of AIS-SART messages
- Satellite AIS option
- 12-24 VDC power supply



[www.nauticast.com/en/cms/aton2](http://www.nauticast.com/en/cms/aton2)

**Nauticast GmbH**

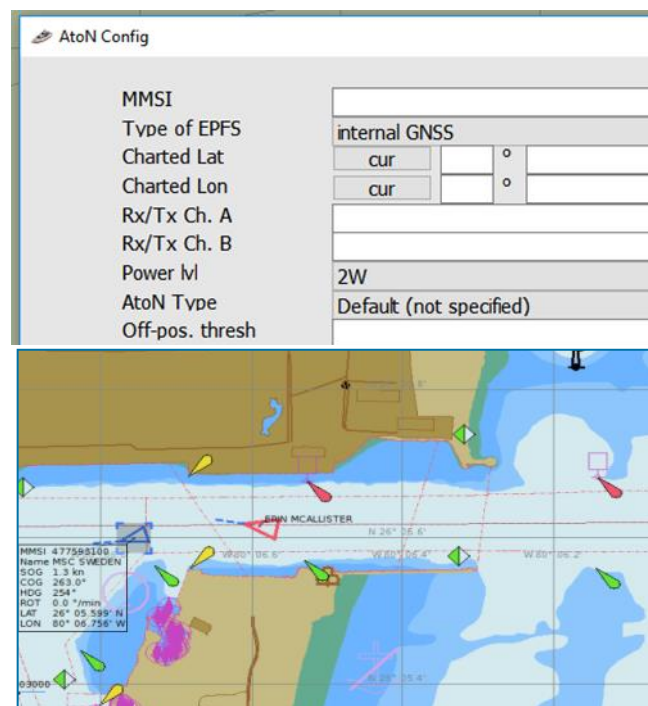
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### Link2AIS Software

- AtoN configuration (USB and VDL)
- Map Visualisation
- Transmission of encrypted messages
- AtoN status analysis (USB connection)



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## Specifications & Order Information

### Technical Specifications

■ <b>Model</b>	<b>Nauticast AtoN2-3</b>	■ <b>VHF Rx:</b>	2 AIS Receivers 1 DSC Receiver Frequency 156–162MHz Sensitivity @ -111dBm < 20% PER
■ <b>Size:</b>	158x120x20mm (board)	■ <b>Interfaces:</b>	RS232, RS422, USB
■ <b>Power:</b>	12VDC (24VDC) 1W avg. consumption (at 3 min intervall)  12W peak consumption 1A (0,5A) peak current	■ <b>GPS:</b>	Internal Receiver 48 Channels 1 Hz Update rate 5V DC antenna feed IEC61108-1 compliant
■ <b>Environmental:</b>	-15 °C to 55 °C  Other environmental parameters depending on casing op-	■ <b>5 LEDs:</b>	Single or multicolour, indicating the operational and error status
■ <b>VHF Tx:</b>	1 Transmitter Frequency 156-162 MHz Output power 2W nominal (RATDMA and FATDMA)	■ <b>Standards:</b>	IEC62320-2 Ed. 2 Inland AtoN Info draft Ed. 1.2 ITU-R M.1371-5 IEC61108-1:2003-07 IEC 60945 Ed. 4.0 2002 incl. corr. 2008 Certification planned for Q2/2018

### Order Information

Purpose	Description	Prod. No.
<b>Nauticast AtoN2-3</b>	Nauticast AtoN2-3 device , power cable, USB cable, Link2AIS Software & documentation (USB card), manual	200 1020
<b>GPS Antennas</b>	Procom GPS4 top quality GPS antenna (without mount or cable) GPS Antenna std. with mount & 5m cable	100 1022 300 1002
<b>VHF Antennas</b>	VHF antenna std. with mount & 5 m cable	300 1003

### Inquiries & Orders

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