

NEON

Configurable AIS Class B Transceiver

Product Type: Standard OEM



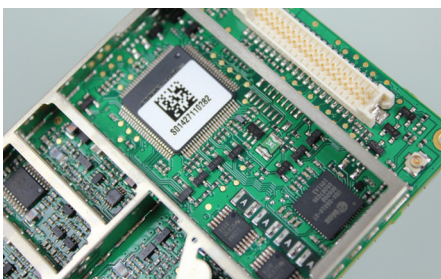
NEON is a uniquely flexible AIS Class B transceiver OEM product solution that allows you to create a truly customised AIS Class B that meets your specific requirements and is supplied as a completely packaged finished product to your specifications. NEON, is exceptionally small, tough and completely weather and water proof (IP67 certified) and contains an internal GNSS antenna for installation simplicity making an external GNSS antenna optional. The internal core technology, which includes HF-AIS for enhanced performance is completely configurable allowing NEON to be specified as either a high powered or standard AIS Class B, and a range of other functionality.



- Globally certified AIS Class B
- Integrated HF-AIS core technology
- Ruggedized, weather and water proof (IP67)
- Dual GPS & GLONASS with integrated antenna
- Ultra-low power consumption
- Dual NMEA0183 & NMEA2000 data output
- Multiple configuration options

Configurations Include

Wifi & Bluetooth	5W SOTDMA	SAT-Trak – satellite tracking
Anti-tamper & Anti-spoofing	2W CSTDMA	Integrated VDR
Encryption	Silent Mode	Intelligent onboard processing



HF-AIS™ core technology delivers exceptional operational performance



Multiple interface options including NMEA0183, NMEA2000, USB and WiFi



Multiple configuration options

Branding

Our OEM products are supplied fully branded as per your specific requirements. This includes the product, all manuals and packaging such that upon arrival they are instantly ready for you to ship to your customers.

Customisation

SRT products offer unmatched capability to be customised for specific applications and markets. Additional features and functions can be specified and implemented and range from the simple to complex encryption and messaging features.

Certification

This product is fully tested and certified to the relevant international standards and product specifications. As part of the OEM customisation process into your brand, international certification can be transferred into your brand name within a matter of weeks.



Physical Specification

Dimensions	140 x 100 x 42mm (D x W x H)
Weight	280g

Electrical Specification

Power supply	12 to 24VDC
Power consumption	150mA @ 12VDC, <2W average

Data Interface

NMEA2000	✓
WiFi	✓
USB	✓
IEC61162-1 (NMEA0183) output	✓
IEC61162-1 (NMEA0183) bidirectional*	✓
IEC61162-1 (NMEA0183) input, 4800baud	✓
Silent mode switch input	✓

*Wi-Fi configuration only

User Interface

LED indicator for power	✓
LED indicator for transmit timeout	✓
LED indicator for error	✓
LED indicator for silent mode	✓

VHF Transceiver

Transmitter	x 1
Receiver	x 2
Frequency	156.025 to 162.025MHz
Output power	2W or 5W
Receiver sensitivity	<-110dBm @20% PER

GPS Receiver

Channels	72
Compliance	GPS & GLONASS

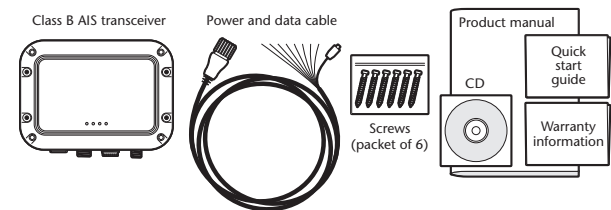
Standards Compliance

AIS standards	IEC62287-1 Ed 3 IEC62287-2 Ed 2 ITU-R M.1371-5
Environmental standard	IEC60945 Edition 4
Serial data interface standards	IEC61162-1 Ed 5.0 IEC61162-2 Ed 1.0
GNSS performance standards	IEC61108-1 Ed 2.0 IEC61108-2 Ed 1.0
NMEA2000® interface standard	NMEA2000® Edition 2.20
Product safety	EN60950-1 2006 +A11:2009 +A1:2010 +A12:2011 +A2:2013
WiFi	FCC U30-G2M5477

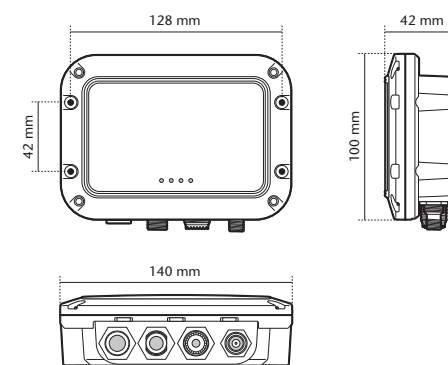
Environmental

Waterproof	IP67 rated for water ingress
IEC 60945	'Protected' category
Operating temperature	-15°C to +55°C

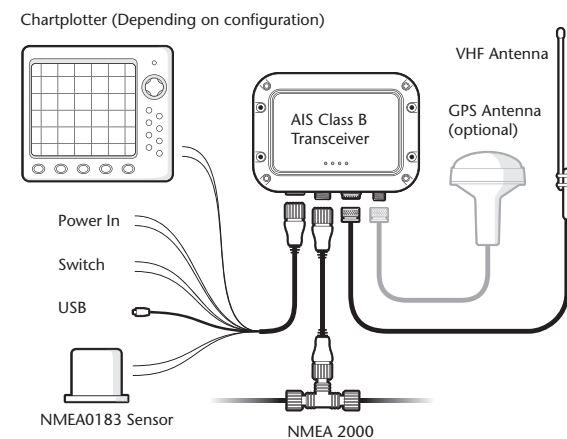
What's In The Box



Dimensions



System Diagram



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SRT enhances maritime domain awareness by developing and manufacturing tracking technology and system solutions for individual vessel owners, port authorities, maritime infrastructure owners, coast guards and national security agencies around the globe. Applications include the tracking of commercial and leisure vessels; sustainable fishery; anti-collision; search and rescue; waterway management, port and coast security; pollution management and environmental management.

Contact us now for your OEM requirements:

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