

Physical Specification

Dimensions	110 x 55 x 14mm (D x W x H)
Weight	60g

Electrical Specification

Power supply	12 to 24VDC
Power consumption Type 1 AtoN (FATDMA)	Less than 0.09Ah/day (with 3 minute position reporting rate)
Power consumption Type 3 AtoN (RATDMA)	Less than 0.8 Ah/day (with 3 minute position reporting rate)

Data Interface

USB (for configuration)	✓
Two IEC61162-1 (NMEA0183) ports at 38400 baud	✓
10 configurable logic level IO lines	✓
SPI port	✓

VHF Transceiver

Transmitter	x 1
Receiver	x 2
Frequency	156.025 to 162.025 MHz in 25KHz steps
Output power	1W, 2W, 5W or 12.5W
Channel bandwidth / step	25KHz 25KHz GMSK (AIS, transmit and receive)
Bit rate	9600 b/s (GMSK)
Receiver sensitivity	<-110dBm at 20% PER
Adjacent channel selectivity	70dB
Spurious response rejection	70dB

AtoN Functions

Type 1 and Type 3 options available	✓
Supports configuration by VDL command	✓
Chaining option available as standard	✓
Customisable sensor interfacing (via separate PCB)	✓
Virtual AtoN support	✓

GPS Receiver & Antenna

50 channels	✓
IEC 61108-1 compliant	✓
Glonass Option	✓

Standards Compliance

AIS Standards	IEC62320-2 Edition 1 IEC standard, AIS Aids to Navigation ITU-R M.1371-4 Universal AIS Technical Characteristics
Environmental standard	IEC60945 Edition 4
Serial data interface standards	IEC61162-1 IEC61162-2 Edition 2
GPS performance standard	IEC61108-1 (relevant sections)

Environmental

Operating temperature	-25°C to +55°C
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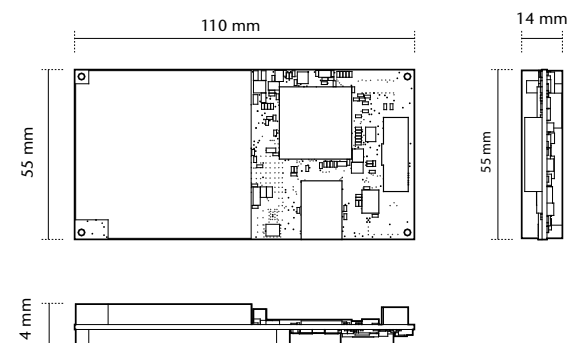
Packaging

Each module is individually packaged in an ESD bag and boxed in batches of 100 units.

Box Size	29 x 41 x 20 inches (D x W x H)
Box Weight	6.4kg

All packaging can be fully customised to your specifications. The box contains the following:

Dimensions



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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.

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