AtoN Type 3 (Aid to Navigation)

TECHNICAL DATASHEET



easyAtoN type3 (A20026)

weather dock AG
EXCELLENCE IN RADIO TECHNOLOGIES
Safety • Navigation • Tracking

Standards according

AIS Standards	IEC 62320-2:2017, ITU-R M.1371-5
Environmental	IEC 60945:2002 + Corr.1:2018
GPS Performance	IEC 61108-1:2003
Product Safety	IEC 62368-1; EN 60950-1:2006
IALA	Rec. 1062
CESNI	ES-RIS 2025/1

AIS Specification

Frequency	AIS 1: 161.975 MHz; AIS 2: 162.025 MHz
Transmitter	1 Transmitter (AIS1/AIS2)
Transmission Power	1, 2, 5 Watt (50Ohm)
Access Scheme	FATDMA - RATDMA
Receiver	2 Receiver (AIS1/AIS2)
Rx Sensitivity	≤-112dBm 25kHz (<20% PER)
Channel width / grid	25kHz
Modulation	GMSK (AIS, TX und RX)

GNSS Receiver

Receiving Antenna	Internal and external (BNC)
Receiving Channels	99 channels
Supported GNSS	GPS, Galileo, Beidou, GLONASS
	Up to 3 concurrent GNSS constellations

Environmental

Operating Temperature	-10°C to +55°C
Storage Temperature	–20 °C to +75 °C
Waterproof Rating	IP67
Compass Safe Distance	min. 80 cm

Interface

VHF Antenna Connector	N
GNSS Antenna Connector	BNC
USB	USB-C
Input	4 digital switch inputs
	Light / Racon Status detection

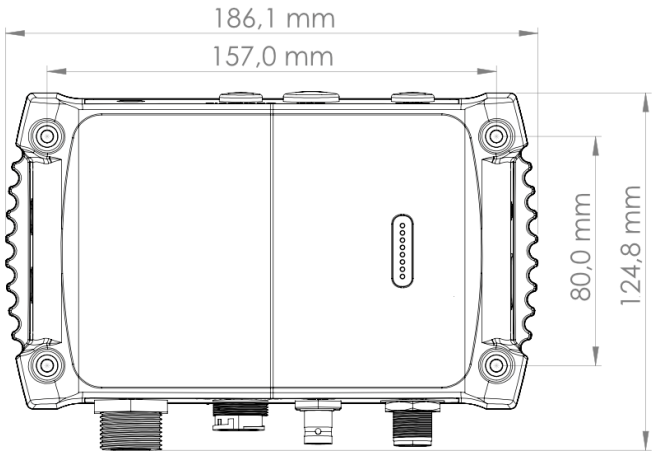
Power Supply

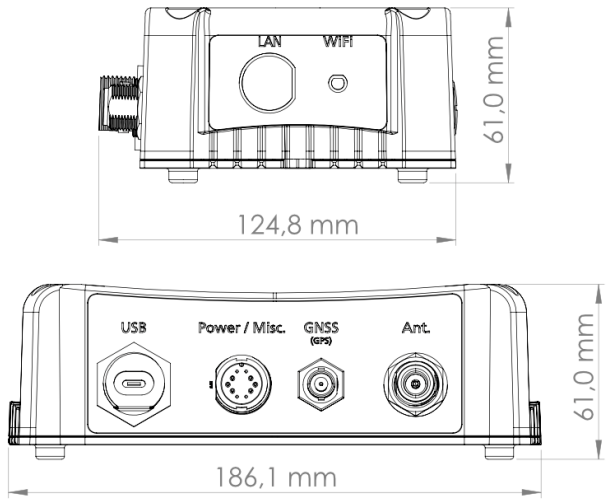
Supply Voltage	12V or 24V
Power Consumption	~ 1,5 Ah / 24 Std @12VDC
	at 3 minute cycle RATDMA

Dimensions/Drawings

Weight	500 g

Dimensions (LxWxH):	186 x 125 x 61 mm





As of 03/2026 | Subject to change