AtoN Type 1 (Aid to Navigation)

TECHNICAL DATASHEET

easyAtoN Type 1 (A19302)

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

Standards

AIS Standards	ITU-R M. 1371-5
Environmental	IEC/EN 60945:2002
AIS CSTDMA	IEC 62287-1:2013 Clause 11, 12
GPS	IEC 61108-1:2003
Safety	IEC 62368-1:2014
AtoN	IEC 62320-2 Ed.2 (2016)

AIS Transmitter

Tx Frequency	AIS 1: 161.975 MHz; AIS 2: 162.025 MHz
Tx Output Power	2 Watt (radiated)
AIS messages	Msg 21 AIS Aids to Navigation (ATON) Report
optional:	Msg 14 Safety related broadcast message
Access Scheme	FATDMA
VHF Antenna	vertical polarized

GNSS Receiver

Receiving Channels	99 Channel Receiver with integrated antenna
Receiver	Up to 4 concurrent GNSS constellations
Supported GNSS	GPS, Galileo, GLONASS, BeiDou

Environmental

Operating Temperature	-10°C to +55°C
Storage Temperature	-30°C to +70°C
Waterproof Rating	IP67
Compass Safe Distance	≥ 0.3 m

Interface

Display	3 LEDs, Flash Light
Button	1 Button "ON"
Configuration	Bluetooth®LE or programming bracket A124

Power Supply

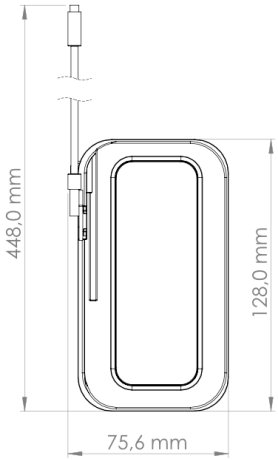
Power supply	Internal 2600mAh Lithium-Ion battery pack
External power	12V or 24V
	< 0,3Ah / day with 5 min reporting interval
Solarcell connectivity	optional available

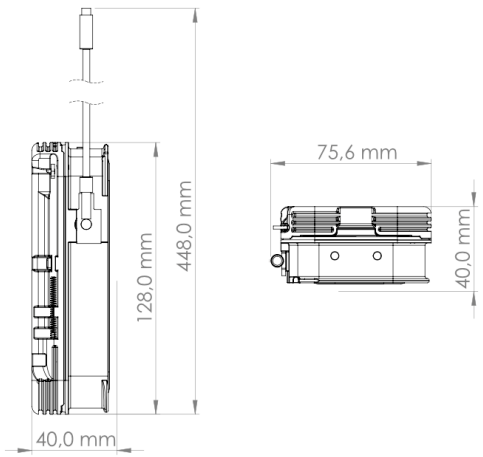
Mounting

Charging bracket	Wall mount and pole mount (A141 /A121)

Dimensions/Drawings

Weight	380 g
Dimensions (LxWxH):	130 x 70 x 40 mm





As of 03/2026 | Subject to change