

MILAIS-100N

Milais-100N Network AIS RECEIVER



Short technical description of AIS
AIS operates primarily on two dedicated VHF-frequencies
(AIS1 – 161,975 MHz and AIS2 –161,025 MHz).

TCP Network AIS Receiver

In areas where these two channels are unavailable, AIS can
automatically switch to other alternatively available frequencies.

Electrical data

Power: 18- 36 volt DC

Isolated, regulated DC-DC Power Input

2250 Vdc isolation

Power consumption: 5 watts

RS-232 Data output

Data Speed: 38400 baud (default)

Format: NMEA 0183 version 3

NMEA output data format: VDM

Receiver

Frequency: AIS1 161.975 MHz, AIS2 162.025 MHz

Sensitivity: -112dBm

Antenna impedance: 50 ohm

Physical data

L x W x H: 240 x 60 x 190 (mm)

Weight: 1500 g

Anten Cable types

RG58C/U

RG213/U

Antenna type:

Vertical radiator

Antenna gain: 0 – 3 dBd

Impedance: 50 ohm

AIS Data Information

Static Information	Dynamic Information	Voyage related Information
Name	Position	Destination
Type of ship	Speed Over Ground	Depth
Call sign	Course Over Ground	ETA
MMSI number	Rate Of Turn	Navigational Status
IMO number	Heading	Size

Network Interface

Interface	Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
Protocol	TCP/IP, UDP/IP ARP, ICMP TFTP DHCP, BOOTP, HTTP, and AutoIP

Data output port:

9 pin D-sub connector RS-232 serial

Power Connector 25 pin

8-pin RJ-45

Antenna Connectors: VHF BNC

Fanless Coolin desing