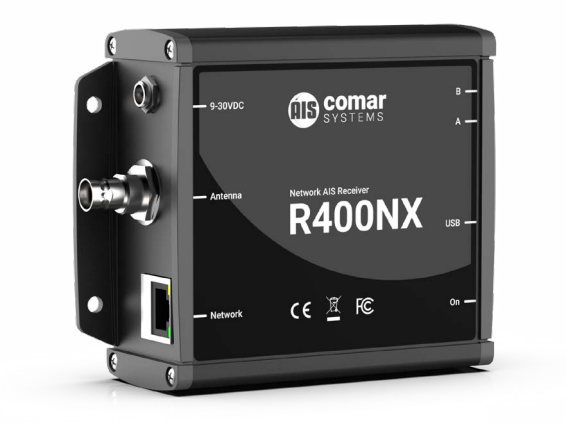

RECEIVERS

R400NX NETWORK AIS RECEIVER WITH ETHERNET OUTPUT

SKU: 001-1142

FEATURES

- **Industry Grade Dual Channel AIS Receiver**
- **Ideal for land-based monitoring of sea traffic**
- **Comprehensive network capability with Ethernet connectivity**
- **Built-in USB port for local monitoring**
- **Ideal for feeding vessel tracking data to a website or a vessel monitoring server**
- **Rugged Aluminium Housing**

The difference between the R400N and R400NX is the network module installed within the product. The R400N uses a Digi module, whereas the R400NX uses a Lantronix XPort module, which follows a slightly different setup process.

OVERVIEW

The R400NX provides a method of monitoring the position, speed and heading of AIS vessels within VHF range. It can decode of Class A, Class B, Aids to Navigation, SARTS and all other AIS message types. When connected to a PC using the industry standard RJ45 Ethernet connector, the R400NX enables AIS data to be viewed directly, or shared on a local network. The unit can also be mounted at a remote location and AIS data sent via the Internet to a fixed IP address for use on a dedicated server.

The R400NX has been specifically designed for use by the professional market and uses Comar's well proven and internationally specified high sensitivity dual channel parallel receiver.

APPLICATIONS

- For shoreside monitoring of shipping by Government bodies
- Managing traffic at local port approaches
- Assisting in Search and Rescue operations
- Locating ships for local tug/supply operators
- Analysing shipping in specific areas
- Monitoring fishing zones
- Feeding data to AIS vessel tracking websites

RELATED PRODUCTS

R400NXG - Network AIS receiver with Ethernet & GPS
R500Ni - Intelligent Network AIS receiver with WIFI
R500NGi - Intelligent Network AIS receiver with WIFI & GPS

AV200 - Base Station Antenna with Ground Plane
AV300 - Fibreglass VHF Antenna
AV400 - Commercial Antenna for AIS

SPECIFICATIONS

PHYSICAL	
Weight:	350g
Dimensions:	L 132 mm W 106 mm D 46 mm
Mounting:	To flat surface with case brackets
Connections:	RJ45 Ethernet 10 / 100 Base-T USB 2.0 Port: Type B (Cable Supplied) BNC Coaxial to antenna
Construction:	Aluminium, ABS End Caps
Finish:	Black Fine-texture Powder-coat, Grey ABS

ELECTRICAL	
Power Supply:	12 V dc 3 W nominal (9-30 V dc)
Antenna Impedance:	50 Ω
Network protocols:	CLI Server, DHCP Client, DNS Client, HTTP(S) Server, Microsoft Azure Integration, Network Discovery, SMTP Client, SNMP, SNTP Client, TCP Client, TCP Server, TLS Client, TLS Server, UDP
Data Output:	NMEA 0183; 38,400 Baud; VDM output message

OPERATIONAL	
Frequency	Channel A 161.975 MHz Channel B 162.025 MHz
Sensitivity:	< -112 dBM
Display:	3 Indicator LEDs (Ch A; Ch B; ON)
Data Types Received:	Name of Vessel; MMSI Number; Position; Speed (SOG); Course (COG); Type of Vessel; Call Sign; Heading; Rate of Turn; Navigational Status; Vessel Dimensions; Destination

ENVIRONMENTAL	
IP Rating:	IP40
Operating temp:	-15°C to +55°C
Compass:	Safe Distance 50 cm

ADDITIONAL	
Supplied:	R400NX AIS Receiver
Supplied:	Universal 100-250 V ac to 12 V dc Power Supply
Supplied:	Antenna Connector Adaptor
Supplied:	2 m Ethernet cable