

Communication Gateway

Dual Redundant Communication Interface for i-ais-AN1

i-kon-CGW Communication Gateway is a dual redundant connection interface module which provides remote monitoring and control functions for i-ais-AN1 AIS AtoN Station. It enables maritime authorities to handle monitoring and control functions of AIS AtoN Station through remote access. With the help of user-friendly "Monitoring & Management SW", maritime authorities can monitor marine traffic and status of system or manage the operation of AIS AtoN stations, Lanterns, RACONs and Rotating Beacons, etc.



i-kon-CGW supports both Ethernet (ADSL, DSL, etc) and GPRS connection, and the priority can be assigned for any mode.

In case of a connection failure, i-kon-CGW automatically switches to the other available communication channel; either Ethernet or GPRS. If all pre-defined connections are unavailable, i-kon-CGW stores all monitoring and status data in an internal removable storage (SD card), which supports up to 2 GB capacity.

In addition to the remote communication features, i-kon-CGW provides and controls lantern regulated power using LANTERN ports.

- Remote operation through Ethernet or GPRS connection
- Lantern power control
- Internal SD card for NMEA Log
- Robust housing (IP66)
- Compatible with i-SEA Platform

GENERAL

- > Operating Temperature Range -15 °C to +55 °C
- > Storage Temperature Range -30 °C to +70 °C
- > Humidity Up to 93% at 40 °C non-condensing
- > Power Supply Voltage 12 - 24V DC (min/max:10-30 V DC)
- > Supply Current 200 mA nominal @ 12 V DC
(plus supply current of connected lantern)
- > Size 152mm x 174mm x 95 mm
- > Weight 1.0 kg
- > Connectors GSM Antenna: TNC-RP Female
Circular Plastic Connectors for POWER,
LANTERN 12V, LANTERN, COM, PROG/AUX,
ETHERNET
- > Case Aluminum Alloy (AlMg0,5Si) 6063
- > Case IP Rating IP-66

STANDARDS

- > ETSI EN 301 511 v9.0.02
- > ETSI EN 301 489-1
- > Environmental & EMC IEC 60945
- > Safety IEC 60950-1

APPROVAL

- > CE DoC per R&TTE Directive-99/5/EC

GSM GATEWAY MODULE

- > Operating Frequency Range Quad Band 850 / 900 / 1800 / 1900 MHz
- > Transmitter Output Power Class 4 (2W) @ 850 / 900 MHz
Class 1 (1W) @ 1800 / 1900 MHz
- > GPRS Class Class 10

LANTERN POWER MODULE

- > Input Voltage 12V - 24V DC (max 10V- 30V DC)
- > Output Voltage to Lantern 12 V DC
- > Maximum Output Current 2 A
- > Analog Outputs Voltage Level and Current Drain
Values for Lantern Power Output Port

AUTHORIZED DEALER

Technical specifications are subject to change without prior notice.