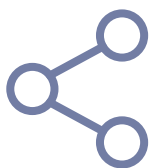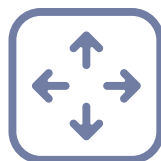# IEC telecom

INTELLIAN OW10HM

Gateway for Eutelsat OneWeb connectivity at sea

Specially designed for lightweight and sleek form factor vessels, OW10HM delivers optimal performance over a compact flat panel terminal – ensuring seamless connectivity even in harsh environments. Based on active electronically scanned arrays (ESA), OW10HM offers guaranteed performance at the lowest elevation angles. This state-of-the-art terminal features Intellian's advanced tracking technology and delivers the maximum throughput allowed on the OneWeb network – allowing vessels to enjoy bandwidth up to 195 Mbps. It is designed to operate in temperatures as low as -40°C (and up to +55°C) and ensures reliable connectivity with minimal loss over scan.

FEATURES

Seamless connectivity

Portable antenna

Optimised performance

Reliability in harsh environments

Customer Network Exchange (CNX)

Simple installation

SPECIFICATIONS

ABOVE DECK UNIT

WEIGHT
12 kg

DIMENSIONS
56 x 45 x 12 cm

OPERATING TEMPERATURE(°C)
-40°C to +55°C

G/T
9 dB/k

EIRP
+ 36.6 dBW (dual carrier)

INGRESS
IP66

INTERFACE
F-Type connector; SMA connector (R-GNSS)

BELOW DECK UNITS

WEIGHT
CNX-BB: 0.25 kg
CNX-WiFi: 0.6 kg
CNX-Mobility: 1.5 kg
CNX-Rack-AC: 6.3 kg

DIMENSIONS
CNX-BB: 13 x 12 x 4 cm
CNX-WiFi: 21 x 17 x 8 cm
CNX-Mobility: 30 x 20 x 4 cm
CNX-Rack-AC: 44.2 x 25 x 4.4 cm

OPERATING TEMPERATURE(°C)
CNX-BB: 0°C to +40°C
CNX-WiFi: 0°C to +40°C
CNX-Mobility: -25°C to +55°C
CNX-Rack-AC: -15°C to +55°C

INGRESS
CNX-WiFi: IP44

CNX-Mobility: IP56
CNX-Rack-AC: IP31

INTERFACE

CNX-BB: 1-port GigE RJ45

CNX-WiFi: WiFi-6; 4-port GigE RJ45

CNX-Mobility: WiFi-6; 4-port GigE RJ45; NMEA 0183 / NMEA2000

CNX-Rack-AC: 8-port GigE RJ45; NMEA 0183

PSA

CNX-BB: External AC Power Supply; External DC Power Supply (optional)

CNX-WiFi: External AC Power Supply; External DC Power Supply (optional)

CNX-Mobility: Direct 12-24 VDC; External AC Power Supply (optional)

CNX-Rack-AC: Embedded Dual 450W; Power Modules

USE CASES

OFFSHORE

Boost the operational performance of OSV vessels with advanced connectivity solutions. Roll out comprehensive fleet management, conduct remote maintenance over video calls, track valuable assets with live video surveillance, and more. In addition, offer affordable data bundles to crew as part of a crew welfare programme.

FISHING

Access advanced Intellian satellite tracking technology and extended scan range so that vessels can stay connected to Eutesat OneWeb even in harsh environments. Continue using digital applications no matter where you set sail. Set up geofencing with multiple map overlays, conduct team meetings over video calls, avail remote maintenance, and ensure regulatory compliance through dependable access to online reporting.

LEISURE BOATS & RACING

Due to its compact size, Intellian OW10HM can fit even on board a small vessel. Transform your experience with the latest digital entertainment: stream movies and music, play online games, and share snapshots of your adventures with loved ones.

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