

INTELLIAN OW10HV

GATEWAY FOR EUTELSAT ONEWEB CONNECTIVITY ON-THE-MOVE

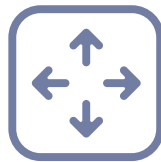


Specially designed to increase portability and enable comms-on-the-move (COTM), OW10HV delivers powerful performance over a compact flat panel terminal – ensuring seamless connectivity in a multitude of environments. Based on active electronically scanned arrays (ESA), OW10HV offers guaranteed performance 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 LEO network – allowing vehicles to enjoy throughput speeds up to 50 Mbps. It is designed to operate in temperatures as low as -40°C (and up to $+55^{\circ}\text{C}$) and ensures reliable connectivity with minimal loss over scan. OW10HV can be easily installed on vehicles of any size to deliver quick connectivity to first responders, forestry operations, the transportation and logistics sectors, and government services.

FEATURES



Seamless
connectivity



Portable
antenna



Optimised
performance



Reliability in harsh
environments



Customer Network
Exchange (CNX)



Simple
installation

SPECIFICATIONS

OUTDOOR UNIT

WEIGHT

12.2 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)

IN-VEHICLE UNITS

WEIGHT

CNX-BB: 0.25 kg

CNX-WiFi: 0.6 kg

CNX-Mobility: 1.5 kg

CNX-Rack: 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: 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: -25°C to +55°C

INGRESS

CNX-WiFi: IP44

CNX-Mobility: IP56

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

USE CASES

TRANSPORTATION & LOGISTICS

Boost the operational performance of your vehicular assets with advanced connectivity solutions. Roll out comprehensive transportation & logistics management, conduct remote maintenance over video calls, track valuable assets with live video surveillance, and more. In addition, offer affordable data bundles to field teams as part of a welfare programme.

HUMANITARIAN

Access advanced Intellian satellite tracking technology and extended scan range so that field teams can stay connected to Eutelsat OneWeb in any environment. Enable digital applications for up to 8 user devices up to 45m away. Quickly mount the terminal over any vehicle's rooftop to conduct team meetings over video calls, avail remote assistance, and ensure dependable access to online resources.

GOVERNMENT

OW10HV delivers reliable connectivity for first responders, including police, fire, and medical teams, ensuring seamless communication even in remote or disaster-affected areas where traditional networks fail. Its mobility and resilience make it an invaluable asset for the defense sector, enabling the coordination of critical operations with efficiency and precision, even on the move.