

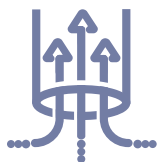
INTELLIAN OW11FV

ENTERPRISE GRADE FLAT PANEL FOR LAND MOBILITY



The Intellian OW11FV is an enterprise-grade flat panel user terminal designed for land mobility applications that demand high performance and operational reliability. It delivers low-latency, high-speed connectivity over the Eutelsat OneWeb LEO network for government and transportation operations. Built on active electronically scanned array technology, OW11FV achieves the highest link margin in its class and sustains performance at low elevation angles and during continuous movement. The terminal supports critical communications, safety systems, route planning, and onboard digital services. Its rugged design ensures consistent operation in extreme temperatures and harsh outdoor conditions. With a lightweight profile, single-cable architecture, and Customer Network Exchange integration, OW11FV enables fast installation and dependable connectivity for mission-critical mobile environments.

FEATURES



Optimised high-throughput
performance



Seamless connectivity
on the move



Advanced tracking
and blockage mitigation



Reliable operation
in harsh environments



Customer Network
Exchange integration



Simplified single-person
installation

SPECIFICATIONS

OUTDOOR UNIT

G/T: 10.7 dB/K
EIRP: +36.6 dBW, dual carrier
Dimensions: 97 x 50 x 13 cm
Weight: 20.5 kg
Operating temperature: -40°C to +55°C
Ingress protection: IP66
Interface: F-type port, SMA port for R-GNSS
Downlink throughput: Up to 195 Mbps
Uplink throughput: Up to 32 Mbps

LAND MOBILE MOUNT ADAPTER

Mount options: Vehicle cross bars
Dimensions: 93 x 23 x 4 cm
Weight: 5 kg

AVAILABLE MODIFICATIONS

CNX-WIFI

Dimensions: 21 x 17 x 8 cm
Weight: 0.6 kg
Operating temperature: 0°C to +40°C
Ingress protection: IP44
Interface: Wi-Fi 6, 4-port GigE RJ45, F-type port
Power supply: External AC power supply

CNX-MOBILITY

Dimensions: 34 x 22 x 5 cm
Weight: 1.5 kg
Operating temperature: -25°C to +55°C
Ingress protection: IP56

Interface: Wi-Fi 6, 4-port GigE RJ45, F-type port
Power supply: External DC or external AC power supply

CNX-RACK

Dimensions: 44.2 x 25 x 4.4 cm, 1RU chassis
Weight: 6.3 kg
Operating temperature: -25°C to +55°C
Ingress protection: IP31
Interface: 8-port GigE RJ45, Wi-Fi dongle, F-type port
Power supply: Embedded 450 W dual power modules

USE CASES

MISSION-CRITICAL COMMUNICATIONS

OW11FV delivers maximum throughput on the Eutelsat OneWeb LEO network with high link margin and low latency. This performance supports mission-critical communications, real-time data exchange, and safety systems for government and transportation operators. Reliable connectivity remains available even at low elevation angles and during continuous movement.

CONTINUOUS CONNECTIVITY ON THE MOVE

Intellian's advanced tracking technology, extended scan range, and blockage mitigation ensure seamless connectivity while vehicles remain in motion. These features enable uninterrupted route planning, fleet coordination, and operational control across long distances, remote areas, and complex terrain without service disruption.

RAPID DEPLOYMENT AND INTEGRATION

The lightweight flat panel design, single-cable power and data connection, and Customer Network Exchange integration enable fast deployment and simple installation. OW11FV supports rapid vehicle integration, streamlined configuration, and quick service activation, reducing downtime and accelerating operational readiness.

