

Intellian

OW11FL

Enterprise Flat Panel for Land



- ENTERPRISE
- COMMUNITY BROADBAND
- CELLULAR BACKHAUL
- GOVERNMENT

The OW11FL is designed to deliver high reliability and performance to enterprise customers.

The OW11FL is designed to ensure SLA and CIR commitments are achieved, making it the ideal solution for enterprise, community broadband, and government applications.

Optimized Performance



Utilizing Intellian's innovative antenna design, the OW11FL delivers the maximum throughput allowed on the Eutelsat's OneWeb LEO (Low Earth Orbit) network. Offering the highest link margin, performance is guaranteed even over scan and at the lowest elevation angles, meeting the highest demands of land mobile customers.

Seamless Connectivity



The OW11FL features Intellian's advanced tracking technology, facilitating continuous, reliable handovers even at the lowest elevation angles encountered in equatorial regions. Delivering the best performance at scan, the innovative flat panel technology facilitates seamless and uninterrupted connectivity. The terminal also supports Comms-on-the-Pause (COTP), allowing the system to maintain or quickly re-establish connectivity when stationary following movement.

Customer Network Exchange



Intellian's Customer Network Exchange (CNX) units are a critical component of the user terminal installation, providing both the power and data connectivity to the Flat Panel and the connectivity to customer equipment and networks. A range of CNX variants are offered for specific land deployment scenarios.

Harsh Environment Performance



The OW11FL is designed to ensure dependable performance in even the most demanding environments, operating in extremely low temperatures down to -40 °C and up to +55 °C (-40 °F to +131 °F), delivering reliable broadband services for customers situated in the most remote locations.

Simplified Installation



The lightweight design and optimal form factor enables easy installation by a single person. Designed for use with standard off-the-shelf mounting solutions, the OW11FL can be deployed in a variety of locations to suit the application and environment. Installation is further simplified through use of combined power and data over a single coax cable connecting the indoor and outdoor units. The use of Intellian's mobile app for site survey, automated configuration, and monitoring further reduces the time required to get online.

Intellian's Flat Panel Series consists of a portfolio of Enterprise and Compact user terminals, based on active electronically scanned arrays (AESA) for Land Fixed Enterprise, Maritime and Land Mobility customers.



OW11FL Technical Specifications



An Intellian mobile application is available for installation, troubleshooting and monitoring.

Outdoor Unit

G/T	10.7 dB/k
EIRP	+36.6 dBW (Dual Carrier)
Dimensions	97 x 50 x 13 cm (38.2" x 19.7" x 5.1")
Weight	20.5 kg (45.1 lb)
Operating Temp	-40 °C to +55 °C (-40 °F to +131 °F)
Ingress	IP66
Interface	F-Type port SMA Port (*R-GNSS)
Downlink Throughput	**195 Mbps
Uplink Throughput	**32 Mbps

*For the approved and verified GNSS solution, please reference the User Manual.

**Performance subject to network configuration. Please consult your Eutelsat contact for service offerings in your region.

Installation

The OW11FL ships with an adjustable mount adapter, enabling easy installation with any 60mm pole mount. Quadpod and Non-Penetrating mounts are also available.

Adjustable Mount Adapter

Mount Options	60mm Pole Mounts
Dimensions	13 x 13 x 15 cm (5.1" x 5.1" x 1.9")
Weight	1.5kg (3 lb)

Indoor Units



CNX-WIFI

Dimensions	21 x 17 x 8 cm (8.2" x 6.7" x 3.1")
Weight	0.6 kg (1.3 lb)
Operating Temp	0 °C to +40 °C (+32 °F to +104 °F)
Ingress	IP44
Interface	WiFi-6 4-port GigE RJ45 F-type Port
PSA	External AC Power Supply



CNX-MOBILITY

Dimensions	34 x 22 x 5 cm (13.4" x 8.7" x 2")
Weight	1.5 kg (3.3 lb)
Operating Temp	-25 °C to +55 °C (-13 °F to +131 °F)
Ingress	IP56
Interface	WiFi-6 4-port GigE RJ45 F-type Port
PSA	External DC Power Supply External AC Power Supply



CNX-RACK

Dimensions	44.2 x 25 x 4.4 cm (19" x 1 RU chassis)
Weight	6.3 kg (13.9 lb)
Operating Temp	-25 °C to +55 °C (-13 °F to +131 °F)
Ingress	IP31
Interface	8-port GigE RJ45 WiFi Dongle F-type Port
PSA	Embedded 450 W Dual Power Modules

System Diagram

