



Intellian



OW11FV

Enterprise Flat Panel for Land Mobility



- GOVERNMENT
- TRANSPORTATION

The OW11FV is the ideal Flat Panel user terminal for Government and Transportation markets, delivering low-latency, high-speed connectivity and reliability for critical communications, safety, route planning, and entertainment.

Optimized Performance



Utilizing Intellian's innovative antenna design, the OW11FV delivers the maximum throughput allowed on the OneWeb network. Offering the highest link margin, performance is guaranteed even over scan and at the lowest elevation angles, ensuring we meet the highest demands of land mobile customers.

Seamless Connectivity



The OW11FV features Intellian's advanced tracking technology, extended scan range, and blockage mitigation, improves connection reliability and availability even while in motion. Delivering the best performance at scan, the innovative flat panel technology facilitates smooth reliable handovers, which ensure seamless and uninterrupted connectivity.

Harsh Environment Performance



The OW11FV 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). Integrated radar rejection filtering ensures performance in high interference installations and reliable broadband services for customers situated in the most remote locations.

Simplified Installation



The lightweight design and compact form factor of the OW11FV enables easy installation by a single person. The universal mount design supports a variety of vehicle mounts. Installation is further simplified through use of combined power and data over a single coax cable connecting the outdoor and in-vehicle units. The use of Intellian's mobile app for site survey, automated configuration, and monitoring further reduces the time required to get online.

Customer Network Exchange



Intellian's Customer Network Exchange (CNX) units are a critical component of any OneWeb user terminal installation, providing both the power and data connectivity to the Flat Panel user terminal, and the connectivity to customer equipment and networks. CNX variants are offered for specific deployment scenarios including Land Fixed, Maritime and Land Mobility.

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



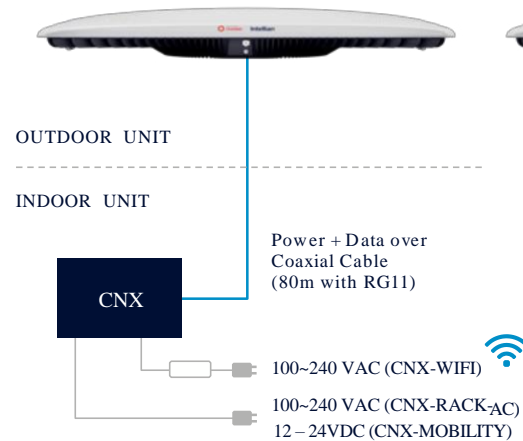
OW11FV Technical Specifications

Outdoor Unit

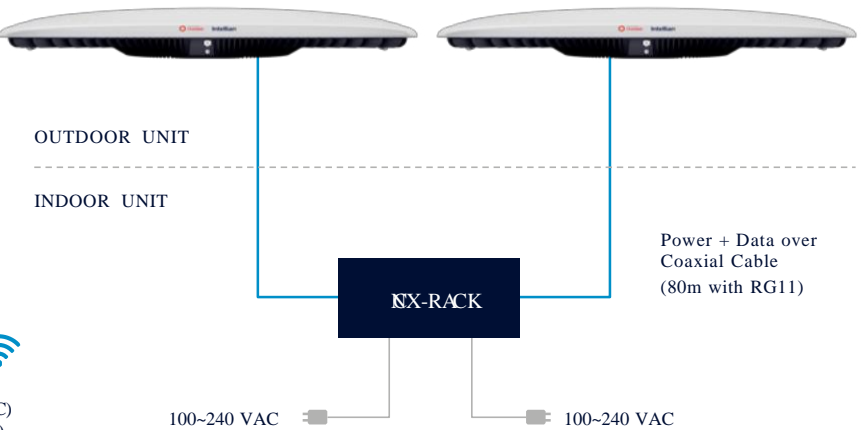
Throughput (peak)	DL: 195 Mbps / UL: 37 Mbps
G/T	10.7 dB/K
EIRP	+36.6 dBW (Dual Carrier)
Field of View	+/- 70° from Zenith, 360° Azimuth
Size	96 cm x 50 cm x 12 cm (37.8" x 19.7" x 4.7")
Weight	16 kg (35 lb)
Power	340 W(max)
Ingress	IP66
Operating Temp	-40 °C to +55 °C (-40 °F to 131 °F)
Interface	F-Type conn

System Diagram

Single Antenna Configuration with CNX



Dual Antenna Configuration with CNX-RACK



Installation

Magnetic, 8020T-Slot Mount, and custom mount options are available.



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Indoor Units

	CNX-WIFI	CNX-RACK-AC	CNX-MOBILITY
Dimensions	21 cm x 17 cm x 8 cm (8.2" x 6.7" x 3.1")	44.2 cm x 25 cm x 4.4 cm (19" x 1 RU chassis)	30 cm x 20 cm x 4 cm (11.8" x 7.9" x 1.6")
Weight	0.6 kg (1.3 lb)	6.3 kg (13.9 lb)	1 kg (2.2 lb)
Power	18 W(max), 8 W(avg)	30 W(max), 16 W(avg)	18 W(max), 8 W(avg)
Operating Temp	0 °C to +40 °C (32 °F to 104 °F)	-15 °C to +55 °C (5 °F to 131 °F)	-25 °C to +55 °C (-13 °F to 131 °F)
Data Interface	WiFi-6 4-port GigE RJ45	8-port GigE RJ45, 1x USB (Type-A) 1x NMEA0183	WiFi 4-port GigE RJ45 1x NMEA 0183 / 1x NMEA2000
PSA	Universal AC Power (100 – 240VAC)	Single or Dual 450 W Power Modules 100 – 240 VAC	External Power Supply Adapter (AC and DC variants available)