

# Intellian OW9HM



## Compact Flat Panel for Mobility

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The OW9HM is the ideal Flat Panel UT for the fishing, leisure, first responder, forestry and transportation markets, offering a small lightweight and sleek form factor, designed to outperform existing connectivity solutions.

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### Optimized Performance

Utilizing Intellian's innovative antenna design, the OW9HM delivers optimal performance in a compact form factor making it the ideal connectivity solution for use cases that are SWaP constrained. The resulting solution provides the user experience and service levels for both land mobile and maritime applications that customers expect.

### 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 Series user terminal, and the connectivity to customer equipment and networks. CNX variants are offered for specific deployment scenarios including Land Fixed, Land Mobile and Maritime.

### Seamless Connectivity

The OW9HM features Intellian's advanced tracking technology and an extended scan range, improving connection reliability and availability, even on rough roads, heavy seas, and even at the lowest elevation angles encountered in equatorial regions. Ensuring minimal loss over scan, the innovative flat panel technology facilitates smooth reliable handovers, which ensure seamless and uninterrupted connectivity.

### Harsh Environment Performance

The OW9HM is designed to ensure dependable performance in even the most demanding environments, operating in extremely low temperatures down to  $-40^{\circ}\text{C}$  and up to  $+55^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $131^{\circ}\text{F}$ ). 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 OW9HM enables easy installation by a single person. The universal mount design supports standard maritime mounts and a variety of vehicle mounts. Installation is further simplified through use of combined power and data over a single coax cable connecting the outdoor / above deck and in-vehicle / below deck units. The use of Intellian's mobile app for site survey, automated configuration, and monitoring further reduces the time required to get online.

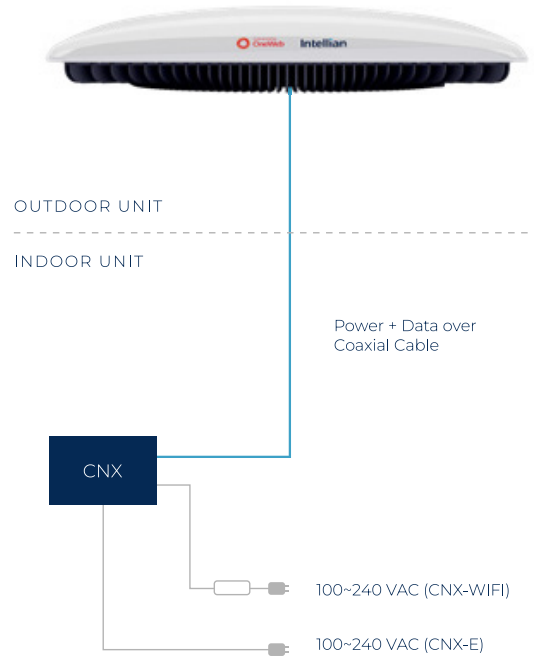
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Intellian's Flat Panel Series consists of a portfolio of Pro and Compact user terminals, based on active electronically scanned arrays (AESA) for Enterprise, Maritime and Land Mobility customers.

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## Outdoor Units

Throughput (peak)	DL: 60 Mbps / UL: 10 Mbps
G/T	8.4 dB/K
EIRP	+36.6 dBW (Dual Carrier)
Field of View	+/- 70° from Zenith, 360° Azimuth
Size	54 cm x 42 cm x 12 cm (21.3" x 16.5" x 4.7")
Weight	< 8 kg (17.6 lb)
Power	180W (max)
Ingress	IP66
Operating Temp	-40 °C to +55 °C (-40 °F to 131 °F)
Interface	+56VDC, F-Type conn



## Indoor Units

	CNX-WiFi	CNX-E
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)
Weight	0.6 kg (1.3 lb)	6.3 kg (13.9 lb)
Power	18 W (max), 8 W (avg)	30 W (max), 16 W (avg)
Operating Temp	0 °C to +40 °C (32 °F to 104 °F)	-15 °C to +55 °C (5 °F to 131 °F)
Data Interface	WiFi-6 4-port GigE RJ45 switch	8-port GigE RJ45, 1x USB (Type-A) 1x NMEA0183
Power Input	Input Universal AC Power (100 – 240VAC)	Single or Dual 450W Power Modules 110V- 200VAC



## Installation

Mounting plate adaptor for maritime installation – Support for standard maritime wedge, vertical and mast mounts. For vehicles – Magnetic, 8020T-Slot Mount, and custom mount options are available.