

Intellian

# OW10HL

Compact Flat Panel for Land




eutelsat ONEWEB
eutelsat GROUP

- SMALL ENTERPRISE
- BUSINESS CONTINUITY
- CELLULAR BACKHAUL
- GOVERNMENT

**The OW10HL delivers unprecedented throughput in a user terminal of this size. Optimized for size, weight and power (SWaP), it features a low-profile weatherized design which delivers reliable connectivity to enterprise and business users.**

**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.**

## Optimized Performance

Utilizing Intellian's innovative antenna design, the OW10HL delivers high performance in a compact form factor. The small size combined with low power consumption deliver the ideal connectivity solution for use cases that are SWaP constrained but still require the high-speed connectivity provided by the OneWeb network.

## Seamless Connectivity

The OW10HL 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 undisrupted connectivity.

## Extreme Temperature Performance

The OW10HL 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 compact form factor enables easy installation by a single person. Designed for use with standard off-the-shelf mounting solutions, the OW10HL 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.

## 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 deployment scenarios.



# OW10HL Technical Specifications

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

## Oudoor Unit

| | |
|---|---|
| G/T | 9 dB/k |
| EIRP | +36.6 dBW (Dual Carrier) |
| Dimensions | 56 x 45 x 12 cm (22” x 17.7” x 4.7”) |
| Weight | 12.2 kg (26.9 lb) |
| Operating Temp | -40 °C to +55 °C (-40 °F to +131 °F) |
| Ingress | IP66 |
| Interface | F-Type connector SMA connector (R-GNSS) |

## Indoor Units

| | CNX-BB | CNX-WIFI | CNX-RACK |
|---|---|---|---|
| Dimensions | 13 x 12 x 4 cm (5.1” x 4.7” x 1.6”) | 21 x 17 x 8 cm (8.2” x 6.7” x 3.1”) | 44.2 x 25 x 4.4 cm (19” x 1 RU chassis) |
| Weight | 0.25kg (0.55 lb) | 0.6 kg (1.3 lb) | 6.3 kg (13.9 lb) |
| Operating Temp | 0 °C to +40 °C (+32°F to +104 °F) | 0 °C to +40 °C (+32 °F to +104 °F) | -25 °C to +55 °C (-13 °F to +131 °F) |
| Ingress | | IP44 | IP31 |
| Data Interface | 1-port GigE RJ45 | WiFi-6<br>4-port GigE RJ45 | 8-port GigE RJ45<br>NMEA0183 |
| PSA | External AC Power Supply | External AC Power Supply | Embedded Dual 450 W Power Modules (AC and DC options) |

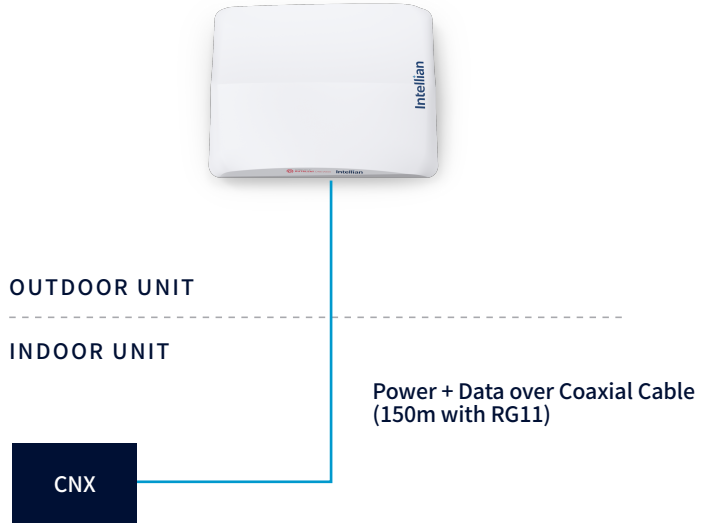
## Installation

The OW10HL ships with an adjustable mount adapter, enabling easy installation with any 60mm pole mount. Quadpod, Non-Penetrating and Trimast mounts are also available.

## Adjustable Mount Adapter

| | |
|---|---|
| Intellian Pt.# | OW-6017 |
| Mount Options | 60mm Pole Mounts |
| Dimensions | 13 x 13 x 15 cm |
| Weight | 1.5kg (3 lb) |

## System Diagram




*All specs subject to change.

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