

# Intellian

## Blockage Mitigation Solution

Enterprise Flat Panel Series



- MARITIME
- ENERGY
- TELCO
- ENTERPRISE
- GOVERNMENT

Intellian's Enterprise Flat Panel Series supports blockage mitigation with built in Primary-Primary support. Delivering reliable connectivity and guaranteed performance for installations that are prevalent to unavoidable obstructions, Intellian's Blockage Mitigation is the ideal solution.

Proven performance in Maritime, Enterprise and Telco applications, Intellian's Blockage Mitigation solution delivers low latency, high-speed connectivity and unsurpassed reliability on the Eutelsat OneWeb LEO network.

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.

### Seamless Connectivity



Intellian's Blockage Mitigation feature guarantees seamless high throughput connectivity. Taking advantage of the Primary-Primary configuration and Intellian's advanced algorithms, uninterrupted service is ensured as visibility to a Eutelsat OneWeb LEO satellite at any given time is maintained.

### CNX-Rack



With a single CNX-Rack, connectivity to both antennas is secured. Offered in both an AC or DC variant, the CNX-Rack provides an independent data and power connection over MoCA to each antenna.

The CNX-Rack features a 1RU form factor with an 8 port switch and a Wi-Fi dongle.

### Simplified Solution



Intellian's Blockage Mitigation offers a cost effective, easy to deploy, fully integrated solution. This solution provides simple and easy redundancy without requiring any additional hardware.

You will need two Enterprise Series Flat Panels—OW11FL for Land Fixed or OW11FM for Maritime and a single CNX-Rack. You can use Intellian Oneweb Mobile Application for installation, configuration, troubleshooting and monitoring of the Blockage Mitigation Solution.



Using a single service plan, the OW11FL and OW11FM are the only flat panel user terminals on Eutelsat's OneWeb LEO network to support the new Blockage Mitigation Solution.

## Outdoor Unit

G/T	10.7 dB/k
EIRP	+36.6 dBW
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
*Consult Eutelsat OneWeb for available Service Plans	

## 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, Wi-Fi Dongle, F-type Port
PSA	Embedded 450 W Dual Power Modules

## Simplified Blockage

Intellian's Blockage Mitigation solution utilizes the Primary-Primary feature that delivers uninterrupted service across two flat panel antennas working in unison to avoid unavoidable blockage. The solution consists of two Enterprise Series antennas and a single CNX-Rack unit. The antennas are provisioned on the ETLOW network as a pair, where only the antenna that has clear line of sight with the satellite is active and passing traffic. The primary-primary feature is ideal for installations where obstruction is unavoidable, like ship masts or cell towers block line of sight.

## System Diagram

