

OW130L-Dac

ONEWEB ENTERPRISE 18 DB/K
Dual Parabolic User Terminal



FEATURES

ONEWEB ENTERPRISE USER TERMINAL

The OW130L is a high performance user terminal that is able to utilize OneWeb's Low Earth Orbit (LEO) satellite constellation. The OW130L-Dac has a 125cm reflector and delivers a minimum of 18.2 dB/K of G/T. The terminal consists of a pair of antennas ensuring seamless and uninterrupted connectivity during LEO satellite handovers.

HIGH SPEED CONNECTIVITY

The OW130L delivers fast and responsive communication services to customers inland. Equipped with a 125cm reflector and capable of achieving data speeds reaching up to 195 Mbps for downlink and 32 Mbps for uplink, the OW130L facilitates high-speed applications for extensive enterprises, large rural community broadband, and onshore smart energy initiatives. Ensuring a notable link margin, the OW130L upholds a consistent Committed Information Rate (CIR) even in the face of adverse weather conditions.

LOW TEMPERATURE PERFORMANCE

Utilizing the latest heating device technology, the OW130L provides dependable performance in extremely low temperatures (-40 degrees Celsius). With OneWeb being the only LEO constellation committing to 100% coverage of the poles, you can be assured of affordable and reliable broadband services for communities and businesses in the polar regions.

SEAMLESS CONNECTIVITY

The OW130L is comprised of two antennas which operate in Primary-Secondary mode. The terminal's 3 axis stabilization platform allows seamless and uninterrupted connectivity, which is essential for smooth reliable handovers. Designed specifically to prevent the keyhole effect, the OW130L ensures a reliable connection even when the satellite is directly overhead.

ONEWEB LEO CONSTELLATION

OneWeb supplies high speed internet connectivity to every corner of the world, even in the most remote locations. Utilising its 648 satellite constellation, OneWeb is able to deliver high speed, low latency connectivity to remote customers in areas where traditional terrestrial connections are not available, enabling business growth, empowering education and supporting the delivery of critical services in communities on a global scale.

QUICK AND EASY DEPLOYMENT

The antenna comes pre-assembled and has a single cable connection delivering both power and data between the indoor and outdoor unit. This significantly reduces installation time, complexity and cost.

OW130L-Dac

TECHNICAL SPECIFICATIONS

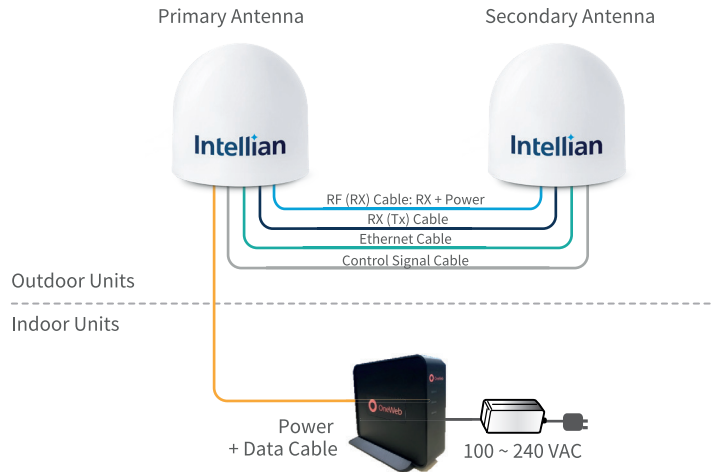
OUTDOOR UNIT

Radome Height	143.0 cm / 56.3"
Radome Diameter	150.0 cm / 59.1"
Reflector Diameter	125 cm / 49.2"
Weight (Primary antenna)	95.0 kg / 209.4 lbs
Weight (Secondary antenna)	96.0 kg / 211.6 lbs (Heating Module installed condition)
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Weight (Secondary antenna)	95.0 kg / 209.4 lbs (Heating Module installed condition)
Azimuth Range	-330° to +330°
Elevation Range	-82 to +82
Cross-level Range	± 9°
Tx Frequency	14.0 ~ 14.5 GHz
Tx Gain	42.5 dBi
Rx Frequency	10.7 ~ 12.7 GHz
Rx Gain	40.8 dBi
EIRP	39.6 dBW/ 20MHz (Single carrier) 42.6 dBW/ 40MHz (Dual carrier)
G/T	18.2 dB/K (@11.8 GHz)
Polarization	Circular (Tx: LHCP, Rx: RHCP)

SYSTEM DIMENSION



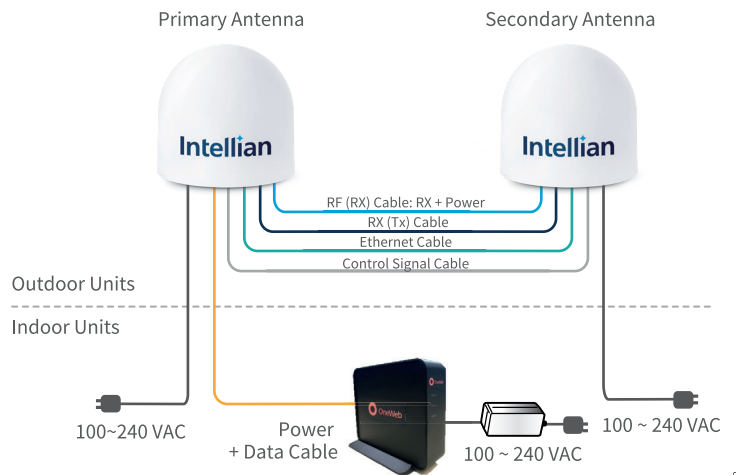
SYSTEM DIAGRAM



INDOOR UNIT

Dimensions (WxDxH)	3.52 cm x 12.5 cm x 11.4 cm / 1.38" x 4.92" x 4.49"
Weight	0.25 kg / 0.55 lbs
Interface	RJ45 Ethernet Port, RG6/RG11 MoCA Port
LED	Power / Ethernet Access / MoCa Connection
Reset Button	Yes
Power Requirement	+56 VDC (from supplied AC/DC adapter (100~240 VAC))

SYSTEM DIAGRAM (HEATING MODULE INSTALLED CONDITION)



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