



OW50SL-Dac

ONEWEB ENTERPRISE 9 DB/K

Single Parabolic User Terminal



FEATURES

ONEWEB ENTERPRISE USER TERMINALS

The OW50SL is a single dome user terminal that is able to utilize the OneWeb Low Earth Orbit (LEO) satellite constellation. The first single parabolic LEO antenna, integrates complex satellite communications technology into a simple UT specifically designed to meet the needs of small, medium and large enterprises.

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 where other connections are not possible.

BETTER PERFORMANCE FOR PURPOSE

The OW50SL delivers 9 dB/K G/T with a 53 cm reflector. The terminal's 2 axis stabilization platform enables motion detection accuracy and is specifically designed for deployment in residential areas and small businesses. The OW50SL is an ideal solution, enabling satellite communication at a reasonable cost.

LOW TEMPERATURE PERFORMANCE

Utilizing the latest heating device technology, the OW50SL 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 remote customers.

FAST RETRACE TIME

The innovative design of the OW50SL enables LEO satellite handovers with a single parabolic terminal. In less than a second, the antenna is able to retrace between a falling satellite and a rising satellite. Additionally, with the keyhole-free design of the OW50SL, the antenna is able to track even when the satellite is directly overhead.

SIMPLIFIED INSTALLATION

The OW50SL simplifies the deployment and installation process. The lightweight design enables a single person install, reducing cost and time. The terminal has a single cable connection which carries both data and power between indoor and outdoor units.

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OUTDOOR UNIT

Radome Height	57.7 cm / 22.7"
Radome Diameter	73.5 cm / 28.9"
Reflector Diameter	53.0 cm / 20.8"
Weight	23.0 kg / 50.7 lbs 23.3 kg / 51.4 lbs (Heating Module installed condition)
Azimuth Range	-300° to +300°
Elevation Range	-90° to +90°
Cross-level Range	-59° to +59°
Tx Frequency	14.0 ~ 14.5 GHz
Tx Gain	34.9 dBi
Rx Frequency	10.7 ~ 12.7 GHz
Rx Gain	33.4 dBi
EIRP	33.6 dBW / 20 MHz
G/T	9.3 dB/K (@11.8 GHz)
Polarization	Circular (Tx: LHCP, Rx: RHCP)
Retrace time	less than 750ms

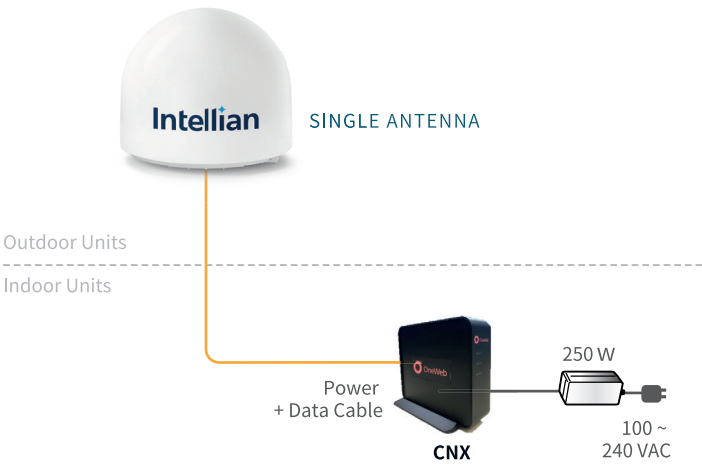
INDOOR UNIT

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))

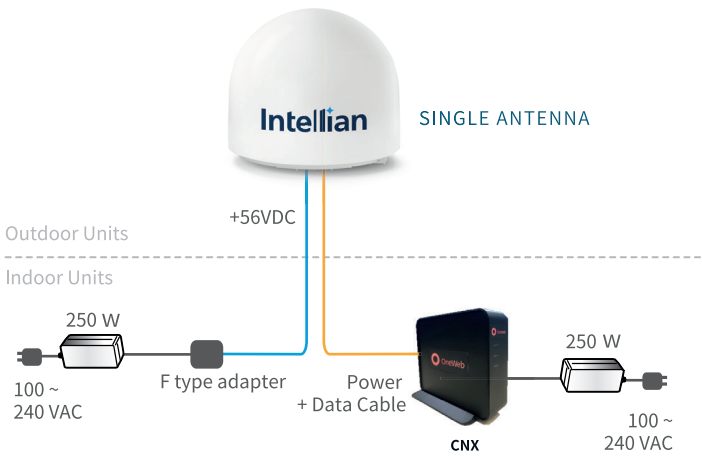
SYSTEM DIMENSION



SYSTEM DIAGRAM



SYSTEM DIAGRAM (HEATING MODULE INSTALLED CONDITION)



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