

OW70L-Rdc

ONEWEB ENTERPRISE 12 DB/K
Dual Parabolic User Terminal



FEATURES

ONEWEB ENTERPRISE USER TERMINALS

The OW70L-Rdc is the user terminal which connects to the OneWeb Low Earth Orbit (LEO) satellite network. It features a 73 cm dual parabolic antenna with a 12 dB/K performance and a 3 axis stabilization system that ensures smooth and uninterrupted communication during LEO satellite handovers.

SMALL, HIGH-PERFORMANCE

The OW70L-Rdc is a user terminal that uses the innovative LEO-only dual parabolic antenna technology. It simplifies the complex satellite communications process and adapts to the diverse needs of various sectors, from small to large enterprises. The OW70L-Rdc is smaller and cheaper than VSAT, but offers better performance, with high-speed, low-latency and high-capacity connectivity.

EASE OF DEPLOYMENT

Designed with cost-effectiveness in mind, the OW70L is light in weight while its packed specifically to allow ease of access. With only a single cable needed to provide data and power between indoor and outdoor units install time is significantly reduced.

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 vessels wherever they are deployed.

SEAMLESS, UNDISRUPTED CONNECTIVITY

The OW70L-Rdc is comprised of two antennas which operate in Primary-Primary mode. The terminal's 3 axis stabilization platform allows seamless and uninterrupted connectivity, which is essential for smooth reliable handovers. Each antenna works individually which provides increased flexibility for blockage mitigation so integrity of the high speed data transfer and low latency remain optimized.

OW70L-Rdc

TECHNICAL SPECIFICATIONS

OUTDOOR UNIT

Radome Height	77.0 cm / 30.3"
Radome Diameter	84.5 cm / 33.3"
Reflector Diameter	73 cm / 28.7"
Weight (one antenna)	33.0 kg / 72.8 lbs
Azimuth Range	-300° to +300°
Elevation Range	-59° to 59°
Cross-level Range	± 10°
Tx Frequency	14.0 ~ 14.5 GHz
Tx Gain	38.4 dBi
Rx Frequency	10.7 ~ 12.7 GHz
Rx Gain	36.0 dBi
EIRP	33.6 dBW/20 MHz 36.6 dBW/40 MHz
G/T	12.2 dB/K (@11.8 GHz)
Polarization	Circular (Tx: LHCP, Rx: RHCP)

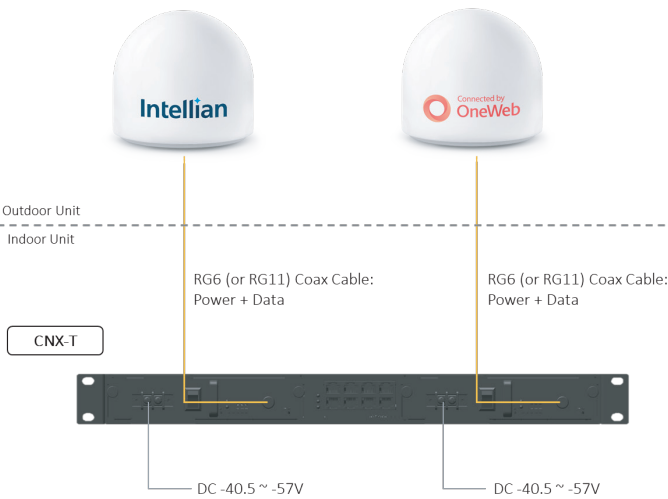
INDOOR UNIT

Dimensions (WxDxH)	44.2 cm x 25.0 cm x 4.4 cm / 17.4" x 9.8" x 1.7"
Weight	5.1 kg / 1.2 lbs
Interface	8x RJ45 Ethernet Port, 2x RG6/RG11 MoCA Port
Power Requirement	DC -40.5V ~ -57V

SYSTEM DIMENSION



SYSTEM DIAGRAM



Headquaters

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