WL1000-ODU-HE/F58/IDA/EXT

Product Description

The WL1000-ODU-HE/F58/IDA/EXT provides high-quality TDM + Ethernet connectivity, enabling service providers to offer the best service to their customers at a competitive price.

The WL1000-ODU-HE/F58/IDA/EXT product features:

- Supports full range of services, up to 8 T1/E1 + Ethernet (Maximum 21 Mbps –FDX net throughput)
- Range of up to 80 Km (depends on services)
- Max Tx power of 23 dBm
- Compatible with all RADWIN WinLink 1000 IDU devices and PoE device
- Robust interference-mitigation for license-exempt bands
- Automatic Adaptive Rate for optimal performance in all environments

The WL1000-ODU-HE/F58/IDA/EXT supports Hub Site Synchronization, for collocation of multiple units at a single site.

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Product Specifications

Architecture	Outdoor Unit (ODU); requires antenna. PoE or IDU required for network connectivity.
IDU to ODU Interface	Outdoor CAT5e cable; Maximum length: 100m total
Radio	
Frequency Bands	5.825 - 5.875 GHz
Data Rate	Up to 54 Mbps air interface, 21 Mbps Ethernet Throughput
Channel Bandwidth	Configurable: 5, 10, 20 MHz
Duplex Technique	TDD
Modulation	OFDM – BPSK/QPSK/16QAM/64QAM
Max Tx Power	23 dBm
Received Dynamic Range	>60dB
Error Correction	FEC k=1/2, 2/3, 3/4
Management	
Protocol	SNMP based
Network Management	SNMPc based
Upgrade Capabilities	Local and remote 'over the air' software upgrade
Mechanics	
Dimensions	24.5cm(H) x 13.5cm(W) x 4.0cm(D)
Weight	1.0kg/2.2lbs
Power Feeding	From IDU or PoE device
Power Consumption	< 10W
Mounting	Pole and Wall
Environmental	
Outdoor Unit Enclosure	All weather case
ODU Operating Temperatures	-35°C to +60°C
Humidity outdoor unit	Up to 100% non-condensing
Antenna (example)	
Ext. Antenna 1.5ft (not included)	Other antennas available
Gain	23 dBi
Beam Width	4.5°
Polarization	Dual
Regulation	
FCC: 47CFR	Part 15, Subparts C&B
Safety	
UL	60950 (Third Edition)
EN	60950-1 (2001), IEC 60950-1 (2001)
CAN/CSA	C22.2 No. 60950
EMC	
FCC	CFR47 Class B, Part15, Subpart B
CAN/CSA-CEI/IEC	CISPR 22-02
EN	300 386 V1.3.2; 301 489-4 V1.3.1; 301 489-1 V1.4.1; 55022:1998; 61000-3-2:2000; 61000-3-3:1995; 55024:1998
AS/NZS	CISPR 22, CISPR 22:2002, CISPR 22:1997
Environmental	
ETSI	IEC 60721-3-4 Class 4M5
	IP67