RADWIN HPMP HSU 525 Series

Subscriber Unit - Data Sheet



RW-5525-2C50

Product Description

RW-5525-2C50 Subscriber Unit (HSU) provides high capacity access connectivity of up to 25 Mbps net aggregate throughput.
RW-5525-2C50 supports 5.1 to 5.8 GHz and complies with ETSI regulations.
The radio is connectorized for external antenna (2 x N-type).

Product Highlights

- Up to 25 Mbps net aggregated throughput
- Long range - Up to 40 km / 25 miles
- Guaranteed Service Level Agreement (SLA) per HSU
- Exceptional short and constant latency
- Advanced MIMO, OFDM and Diversity technologies
- Robust and reliable operation in harsh conditions, extreme temperatures and non-line-of-sight scenarios
- Ease of operation and maintenance

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Product Specifications:

Configuration				
Architecture	Outdoor Unit connectorized for external antenna (2 x N-type)			
PoE to ODU Interface	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT			
Radio				
Max Capacity	25 Mbps net aggregate throughput; Upgradable to 100 Mbps with license key			
Range	Up to 40 km / 25 miles			
Channel Bandwidth	Configurable: 10, 20, 40 MHz (for the default band)			
Modulation	MIMO-OFDM (BPSK/QPSK/16QAM/64QAM)			
Adaptive Modulation & Coding	Supported			
DFS	Supported (ETSI)			
Diversity	Supported			
Max Tx Power	21 dBm; max EIRP 30 dBm (for the default band)			
Duplex Technology	TDD			
Error Correction	FEC k = 1/2, 2/3, 3/4, 5/6			
Encryption	AES 128; FIPS 197			
Support Indoor units	RADWIN PoE devices (RW-9921-101X)			
Uplink / Downlink Allocation	Configurable: Symmetric or Asymmetric			
Layer 2	HUB Mode			
QoS	Packet classification to 4 priority queues according to 802.1P or Diffserv			
VLAN Support	802.1Q, QinQ, 4094 VLANs			
ODU Management	IPv4; SNMP v1 and v3; HTTP using web browser			
Supported Bands				
Band	**CBW 10MHz [GHz]**	**CBW 20MHz [GHz]**	**CBW 40MHz [GHz]**	**Radio Compliance**
5.4 GHz ETSI (default)	5.475-5.720	5.470-5.725	5.470-5.725	EN 301 893
5.3 GHz ETSI	5.150-5.350	5.150-5.350	-	EN 301 893
5.8 GHz ETSI	5.725-5.875	5.725-5.875	-	EN 302 502
Mechanical				
ODU Dimensions	21(w) x 17(h) x 7(d) cm			
ODU Weight	1.2 kg / 2.65 lbs			
Power				
Power Feeding	Power provided over ODU-IDU cable			
Power Consumption	<12W			
Environmental				
Operating Temperatures	-35°C to 60°C / -31°F to 140°F			
Humidity	100% condensing, IP67 (totally protected against dust and against immersion up to 1m)			
Safety				
FCC/IC (cTUVus)	UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22			
ETSI	EN/IEC 60950-1, EN/IEC 60950-22			
EMC				
FCC	47 CFR Class B, Part15, Subpart B			
ETSI	EN 300 386, EN 301 489-1, EN 301 489-4			
CAN/CSA-CEI/IEC	CISPR 22-04 Class B			

Ordering Info
Part Number: RW-5525-2C50
Description: RADWIN HSU 525 ODU, connectorized for external antenna (2 x N-type), supporting multi frequency bands at 5.x GHz, factory default 5.4 GHz ETSI.

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