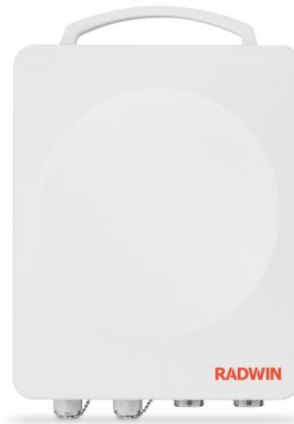


RADWIN 5000 – HPMP

Sector Base Station RW-5200-0250

Data Sheet

HBS 5200 SERIES



Sector Base Station - RW-5200-0250

RADWIN RW-5200-0250 is a Sector Base Station Radio unit, providing up to 200Mbps net aggregate throughput and delivering access connectivity up to 32 Subscriber Units (HSU).

RW-5200-0250 supports from 4.9 to 6 GHz and complies with FCC, IC (Canada), WPC (India), MII (China) and universal regulations. RADWIN RW-5200-0250 is connectorized for use with external antenna.

Product Highlights

- High Capacity sector Base Station
- Up to 200 Mbps aggregated throughput
- Guaranteed Service level Agreement (SLA) per HSU
- Outstanding short and constant latency
- Support up to 32 HSUs
- Long range – up to 40 km/25 miles
- Single radio supporting multiple bands
- Advanced MIMO, OFDM and Diversity technologies
- Excellent operation in nLOS and NLOS scenarios
- Robust and reliable to operate in tough conditions, extreme temperatures
- Ease of operation and maintenance

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RADWIN

HBS 5200-0250 - Product Specifications

CONFIGURATION		
Architecture	Outdoor Unit Connectorized for External Antenna	
PoE to ODU Interface	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000BaseT	
RADIO		
Capacity	200 Mbps net aggregate throughput @40MHz 100 Mbps net aggregate throughput @20MHz	
Subscriber Units (HSUs) support	Up to 32 HSUs	
Range	Up to 40 km / 25 miles	
Channel Bandwidth	Configurable: 5 ,10, 20 and 40 MHz	
Modulation	2x2 MIMO-OFDM (BPSK/QPSK/16QAM/64QAM)	
Adaptive Modulation & Coding	Supported	
Bandwidth allocation	Symmetric and Asymmetric	
DFS	Supported	
End to End Latency	Typical: 3.5msec @ 2 HSUs; 20msec @ 32 HSUs	
Diversity	Supported	
Spectrum Viewer	Supported	
Max Tx Power	25 dBm (*)	
Duplex Technology	TDD	
Error Correction	FEC k = 1/2, 2/3, 3/4, 5/6	
Encryption	AES 128	
Ethernet Interface	10/100BaseT, 1000BaseT (supported via indoor PoE device)	
Layer 2	Bridging learning of 5K MAC addresses	
QoS	Supported Packet classification to 4 queues according to 802.1p and Diffserv	
VLAN	Supported 802.1Q, 802.1P, QinQ	
TDD Intra Site Synchronization	Supported	
TDD Inter Site Synchronization	Supported through common GPS receiver per site	
SUPPORTED BANDS		
5.8 GHz FCC/IC*	5.725 - 5.850 GHz	FCC 47CFR, Part 15, Subpart C and IC RSS-210
5.8 GHz MII	5.730 - 5.845 GHz	MI I for 5.8 GHz
5.8 GHz WPC India	5.825 - 5.875 GHz	WPC GSR-38
5.4 GHz FCC	5.480 - 5.715 GHz	FCC 47CFR, Part 15, Subpart E
5.4 GHz IC	5.480 - 5.715 GHz	IC RSS-210
5.3 GHz FCC/IC	5.255 - 5.350 GHz	FCC 47CFR, Part 15, Subpart E and IC RSS-210
4.9 GHz FCC/IC	4.940 - 4.990 GHz	FCC 47CFR, Part 90, Subpart Y and IC RSS-111
6.0 GHz Universal	5.690 - 6.060 GHz	Universal
5.9 GHz Universal	5.730 - 5.960 GHz	Universal
5.4 GHz Universal	5.465 - 5.730 GHz	Universal
5.3 GHz Universal	5.140 - 5.345 GHz	Universal
5.0 GHz Universal	4.990 - 5.160 GHz	Universal
4.9 GHz Universal	4.890 - 5.010 GHz	Universal
*Default Band		
MECHANICAL		
ODU Dimensions	19.5(w) x 27.0(h) x 8.0(d) cm	
ODU Weight	1.8 kg / 3.6 lbs	
POWER		
Power Feeding	Power provided over ODU-IDU cable using PoE	
Power Consumption	<25W	
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	
AS/NZS	CISPR 22-2004 Class B	

Note (*) –Subject to regulation in each country

Ordering Info

Part Number: RW-5200-0250

Description: RADWIN HBS 5200 Series, Base Station Radio Connectorized for external antenna (2xN-type), supporting multi frequency bands at 5.x GHz, factory default 5.8 GHz FCC/IC