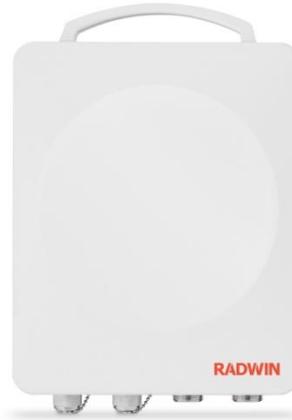


## RADWIN 5000 – HPMP

Sector Base Station RW-5200-2250

Data Sheet

HBS 5200 SERIES



### Sector Base Station - RW-5200-2250

RADWIN RW-5200-2250 is a Sector Base Station Radio unit, providing up to 200Mbps net aggregate throughput and delivering access connectivity for up to 16 Subscriber Units (HSUs).

RW-5200-2250 supports 5.X GHz and complies with ETSI regulation.

RADWIN RW-5200-2250 is connectorized for use with an 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 16 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

Corporate Headquarters, T. +972.3.766.2900, E. sales@radwin.com, www.radwin.com

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**RADWIN**

## HBS 5200-2250 - Product Specifications

<b>CONFIGURATION</b>	
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
<b>RADIO</b>	
Capacity	200 Mbps net aggregate throughput @ 40MHz 100 Mbps net aggregate throughput @ 20MHz
Subscriber Units (SUs) support	Up to 16 HSUs
Range	Up to 40 km / 25 miles
Channel Bandwidth	Configurable: 10, 20 and 40MHz (*)
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; 15msec @ 16 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 RW-9924-101X)
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

Note (\*) –Subject to regulation in each country

<b>SUPPORTED BANDS RW-5200-2250</b>		
5.4 GHz ETSI*	5.475 - 5.720 GHz	ETSI EN 301 893
5.8 GHz ETSI	5.725 - 5.875 GHz	ETSI EN 302 502
5.3 GHz ETSI	5.150 - 5.350 GHz	ETSI EN 301 893
<b>*Default Band</b>		
<b>MECHANICAL</b>		
ODU Dimensions	19.5(w) x 27.0(h) x 8.0(d) cm	
ODU Weight	1.8 kg / 3.6 lbs	
<b>POWER</b>		
Power Feeding	Power provided over ODU-IDU cable using PoE	
Power Consumption	<25W	
<b>ENVIRONMENTAL</b>		
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)	
<b>SAFETY</b>		
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	
<b>EMC</b>		
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	

### Ordering Info

**Part Number:** RW-5200-2250

**Description:** RADWIN HBS 5200 Series, Base Station Radio Connectorized for external antenna (2xN-type), supporting multi frequency bands at 5.x GHz, factory default 5.4 GHz ETSI.