

RADWIN 2000 C-Plus Series

Point-to-Point Radio - Data Sheet (RW2000/ODU/CPLUS/F24/FCC/INT/200M)



RW-2024-4100

Product Description

RW-2024-4100 is a carrier-class radio that belongs to the RADWIN 2000 C-Plus Series and supports 2.4 GHz frequency band.

The Radio complies with FCC/IC regulations with a factory default of 2.4 GHz FCC/IC.

RW-2024-4100 delivers up to 250 Mbps throughput.

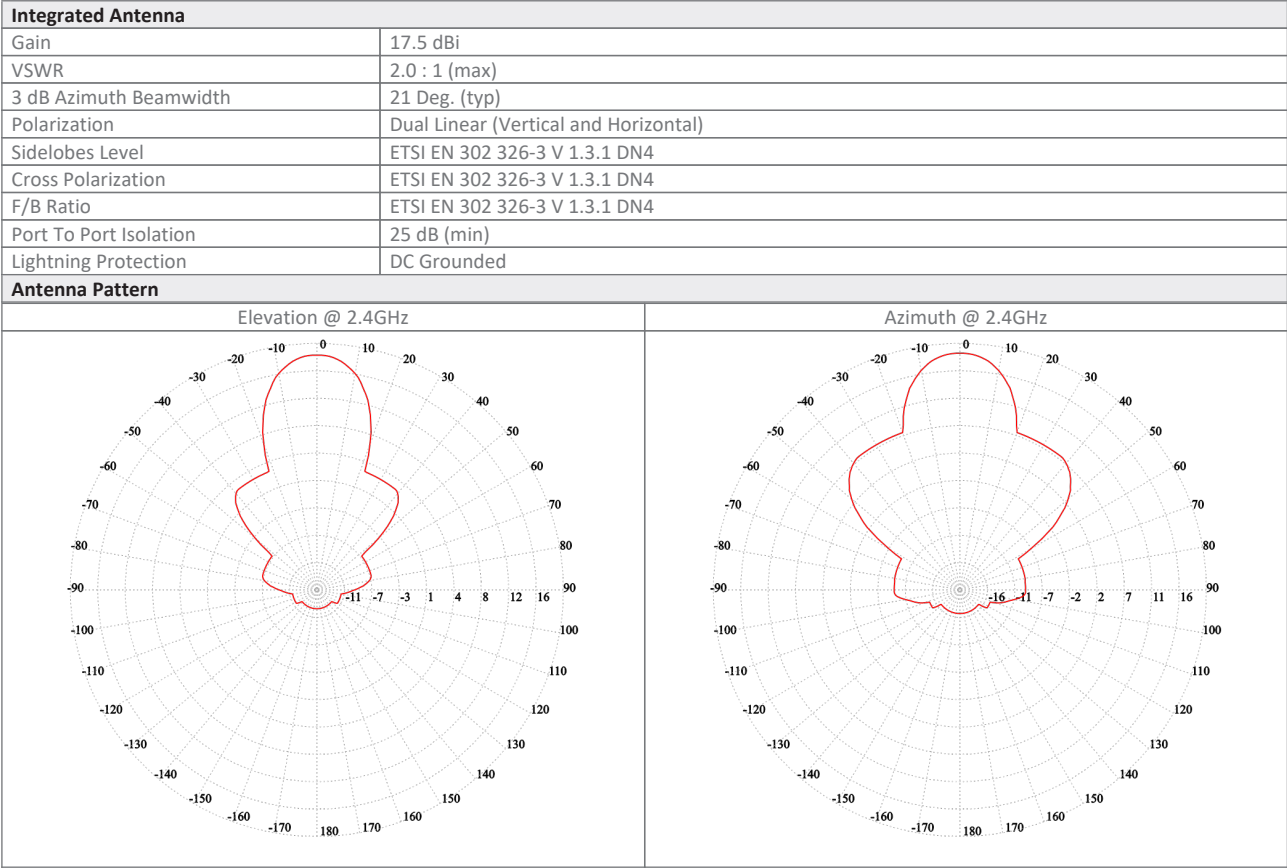
The radio comes with an integrated antenna.

Product Highlights

- 250 Mbps Ethernet net throughput
- Long range - Up to 40 km / 25 miles
- Telco-grade, extremely robust in harsh conditions
- Configurable asymmetric throughput
- Advanced OFDM & MIMO technologies for operation in nLOS/NLOS and dense radio environments

Product Specifications:

Configuration				
Architecture	Outdoor Unit with an integrated antenna			
PoE to ODU Interface	Outdoor CAT-5e; Maximum cable length: 100m for 10/100BaseT and 75m for 1000BaseT			
Radio				
Max Capacity	250 Mbps net aggregate throughput			
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			
Automatic Channel Selection	Supported upon power up			
DFS	Not Supported			
Diversity	Supported			
Spectrum Viewer	Supported			
Max Tx Power	26 dBm			
Duplex Technology	TDD			
Error Correction	FEC k = 1/2, 2/3, 3/4, 5/6			
Encryption	AES 128; FIPS 197; AES 256 optional (via Software License Key)			
Support Indoor units	IDUs: RW-7100-2000, RW-7102-2000, RW-7216-2000, RW-7208-2000, RW-7204-2000, RW-7200-2000, RADWIN PoE devices (RW-9921-101X)			
Uplink / Downlink Allocation	Configurable: Symmetric or Asymmetric			
QoS	Packet classification to 4 priority queues according to 802.1P or Diffserv			
VLAN Support	802.1Q, QinQ, 4094 VLANs			
TDD Intra Site Synchronization	Not Supported			
TDD Inter Site Synchronization	Not Supported			
Supported Bands				
Band	CBW 10MHz [GHz]	CBW 20MHz [GHz]	CBW 40MHz [GHz]	Radio Compliance
2.4 GHz FCC/IC	2.407-2.467	2.402-2.472	2.392-2.482	FCC 47CFR Part 15.247; IC RSS-210
Mechanical				
ODU Dimensions	30(w) x 30(h) x 10(d) cm			
ODU Weight	2.9 kg / 6.39 lbs			
Power				
Power Feeding	Power provided over ODU-IDU cable			
Power Consumption	<20W			
Environmental				
Operating Temperatures	-35°C to 60°C / -31°F to 140°F			
Humidity	100% condensing, IP67 (totally protected against dust and against immersion in water up to 1m)			
Safety				
US/CAN (cTUVus)	UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22			
CE/IEC	EN/IEC 60950-1, EN/IEC 60950-22			
EMC				
FCC	47 CFR, Part15, Subpart B, Class B			
ETSI	EN 300 386, EN 301 489-1, EN 301 489-4			
CAN/CSA-CEI/IEC	CISPR 22-2010 Class B			



Ordering Info
Part Number: RW-2024-4100
Description: RADWIN 2000 C-Plus ODU, with an integrated antenna, supporting 2.4 GHz FCC/IC frequency band.

Datasheet information can be changed by manufacturer without prior notice