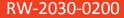
RADWIN 2000 C-Series





RW-2030-0200

RW-2030-0200 is a carrier-class radio that supports 3.3 to 3.8 GHz bands and fully complies with FCC, IC and Universal regulations. This radio is part of the RADWIN 2000 C-Series that delivers high capacity and extended range for Corporate Access and Backhaul needs.

Packing native TDM and Ethernet over a single wireless link, the RADWIN 2000 C-Series provides 100 Mbps net throughput (up to 16E1/ T1 plus Ethernet) at a range of up to 120 km/75 miles.

RADWIN RW-2030-0200 is connectorized for use with external antennas.

Product Highlights

- 100 Mbps Ethernet net throughput and up to 16E1s/T1s
- Native TDM transport
- Single Small Form factor with embedded antenna and connectorized for external antenna
- Long range up to 120 km/75 miles
- Adaptive asymmetric throughput dynamic allocation between uplink and downlink
- Single radio supporting multiple bands (3.3 to 3.8 GHz)
- Advanced MIMO, OFDM and Diversity technologies
- Robust and reliable to operate in tough conditions, extreme temperatures and non line-of-sight scenarios



Product Specifications

| Configuration | |
|--------------------------------|---|
| Architecture | Outdoor Unit Connectorized for External Antenna |
| IDU to ODU Interface | Outdoor CAT-5e cable; Maximum cable length: 100 m |
| Radio | |
| Capacity | 100 Mbps net throughput (up to 16 x E1s/T1s plus Ethernet) |
| Range | Up to 120 km / 75 miles |
| Channel Bandwidth | 5, 10 or 20 MHz |
| | Single chain |
| Modem Operations | 2X2 Diversity |
| | 2X2 MIMO |
| Modulation | 2x2 MIMO-OFDM (BPSK/QPSK/16QAM/64QAM) |
| Adaptive Modulation & Coding | Supported |
| Automatic Channel Selection | Supported |
| Diversity | Supported |
| Spectrum View | Supported |
| Asymmetric TDD | Supported |
| Max Tx Power | 3.6GHz FCC/IC 25 dBm (Up to 42dbm EIRP)3.5GHz IC 23 dBm3.x GHz Universal 25 dBm |
| TPC Range | 17 dBm (8-25dbm) Minimum TX power step of 1db |
| Channel minimum step | 1 MHz under 3.650-3.675 FCC/IC Band – Restricted Mode 250 KHz under 3.475-3.650 IC Band and 3.300-3.800 Universal |
| Duplex Technology | TDD |
| Error Correction | FEC k = 1/2, 2/3, 3/4, 5/6 |
| Encryption | AES 128 |
| QoS | Packet classification to 4 queues according to 802.1p and Diffserv, Dynamic scheduling according to air interface changes |
| VLAN | Supported |
| Supported Indoor Units | IDU-C Series (RW-72XX-2000) and IDU-E Series (RW-71XX-2000) |
| Hub Site Synchronization (HSS) | Up to 16 collocated links |
| Monitored Hot Standby (MHS) | 1+1 with RADWIN 2000 link or WinLink 1000 link |
| | |

Supported Bands Occupied Frequency Range Radio Compliance 3.6 GHz FCC/IC* 3.650 - 3.675 GHz* FCC 47CFR, Part 90 – Restricted Mode 3.5 GHz IC 3.475 - 3.650 GHz IC RSS 192, issue-3 3.x GHz Universal 3.400 - 3.700 GHz IC RSS 192, issue-3 3.x GHz Universal 3.290 - 3.810 GHz IC RSS 192, issue-3

* Factory Default

| Mechanical | |
|------------------------|---|
| Dimensions | 19.5(w) x 27.0(h) x 8.0(d) cm |
| Weight | 1.8 kg / 3.6 lbs |
| Power | |
| Power Feeding | Power provided over ODU-IDU cable |
| Power Consumption | <35W (IDU + ODU) |
| Environmental | |
| Operating Temperatures | -35°C - 60°C / -31°F – 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 | CFR47 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 Information

Part Number: RW-2030-0200

Description:

RADWIN 2000 C-Series ODU Connectorized for external antenna (2x N-type), supporting multi frequency bands at 3.x GHz factory default 3.65 GHz FCC/IC For external antennas, see the RADWIN Product Catalog

Corporate Headquarters, T. +972.3.766.2900, E. sales@radwin.com, www.radwin.com The RADWIN name is a registered trademark of RADWIN Ltd. © All rights reserved, July 2011

DS RW-2030-0200/07.11

