

ENTERPRISE

Wireless Remote Subscriber for Premium Wireless Access

The RDL-3000 Enterprise provides secure reliable high-speed wireless transport for dedicated access, trunking and mid-range backhaul applications. The Enterprise includes fine Quality of Service (QoS) controls and full VLAN support to configure multiple Service Level Agreements (SLAs) that enable simultaneous transport of combined data, voice and video services.

FEATURES AND BENEFITS

- ❑ Compact low power system with integrated antenna for unobtrusive installation on street furniture and buildings
- ❑ High throughput for concurrent transport of M2M, data, video and voice services
- ❑ Durable all-weather enclosure for reliable operation in a wide range of temperatures and environmental conditions
- ❑ Over-the-air monitoring, configuration and software keyed features enable upgrades without physical access
- ❑ Software-defined architecture enhances reliability and service lifetime

PRODUCT COMPLEMENTS

The Enterprise is fully compatible with all Redline RDL-3000 family base stations and wireless terminals. Redline provides a complete selection of peripherals and professional services for all your deployment needs.

UNIFIED GLOBAL SOLUTIONS

Redline's patented UWT™ technology provides a truly unified wireless networking solution—across the spectrum, across your company and across the globe—enabling secure, reliable, high-speed connectivity to people and smart devices everywhere.



SYSTEM AT A GLANCE

Outdoor software-defined
120 Mbps carrier-grade
wireless subscriber for
PMP and PTP applications

Extends high speed TCP/IP
transport to urban and campus
sites

Symmetrical data services for
reliable fast transport of data,
HD video and voice traffic

Compact low power system with
built-in antenna mounts easily
on buildings and street furniture

Integrated MIMO antenna

-40 to 60 °C operating range
using dynamic and thermal
dissipation (no moving parts)

High-grade security features

Very low latency supports
time-sensitive applications

Low power requirement suitable
for solar applications

ENTERPRISE SPECIFICATIONS

Capability	LOS/OLoS/NLOS PMP/PTP Terminal		
Wireless transmission	OFDM (orthogonal frequency-division, multiplexing), TDD, 2 x 2 A/B MIMO		
RF Band (MHz)	2300-2700 ¹ , 3300-3800 ¹ , 4940-5875 ¹		
Channel Size (MHz)	3.5/5/7/14, 5/10/20 software selectable ¹		
Modulation	BPSK to 64 QAM, TDMA		
Data Rate	Up to 120 Mbps UBR		
Max EIRP	Band (MHz)	Tx Power (dBm)	Antenna Gain (dBi)
	5000	22	19
	2500/3000	23	15
Antenna Info	Integrated MIMO		
Wireless QoS	Dynamic Spectrum Access & Management ¹		
MAC	Dynamic ARQ		
Encryption (OTA)	AES-128 ¹ (software keyed)		
Authentication	Fast Mutual Identification		
Connection	10/100 Ethernet (RJ-45)		
Ethernet Rate	Up to 100 Mbps		
Latency	<10 ms		
Processing (PPS)	>150,000		
Attributes	Transparent bridge, DHCP pass-through, 802.1Q VLAN		
Network QoS	Multiple services with unique CIR & PIR, 802.3x, 802.1p/Q		
Management	ClearView NMS, HTTP, SNMP v2/v3, Telnet, HTTPS/SSL, SSH		
Temperature	-40 to 60 °C (-40 to 140 °F)		
Enclosure	IP67 (IEC 60259)		
Humidity	100% humidity, condensing		
Surge Protection	Built-in: PoE and RF ports		
Power	Standard IEEE 802.3at (PoE), cable 91 m (300 ft) max.		

All specifications are subject to change without notice.

1. Availability restricted by regional regulations or product options; 2. Pending

Compliance

Safety: IEC, EN, and UL/CSA 60950,

EMC: EN 301 489-1, EN 301 489-17,

5.8 GHz¹: IC RSS-210, FCC Part 15, ETSI EN 302 502

5.4 GHz¹: IC RSS-210, FCC Part 15, ETSI EN 301 893

4.9 GHz¹: IC RSS-111, FCC Part 90,

3.65-3.70 GHz¹: IC RSS-197, FCC Part 90Z

3.5 GHz¹: IC RSS-192

3.3-3.8 GHz¹: ETSI 302 326-2

2.4 GHz¹: IC RSS-201, ETSI 300-328, FCC Part 15C²

2.3 GHz¹: IC RSS-195



RoHS
Compliant

Physical Attributes

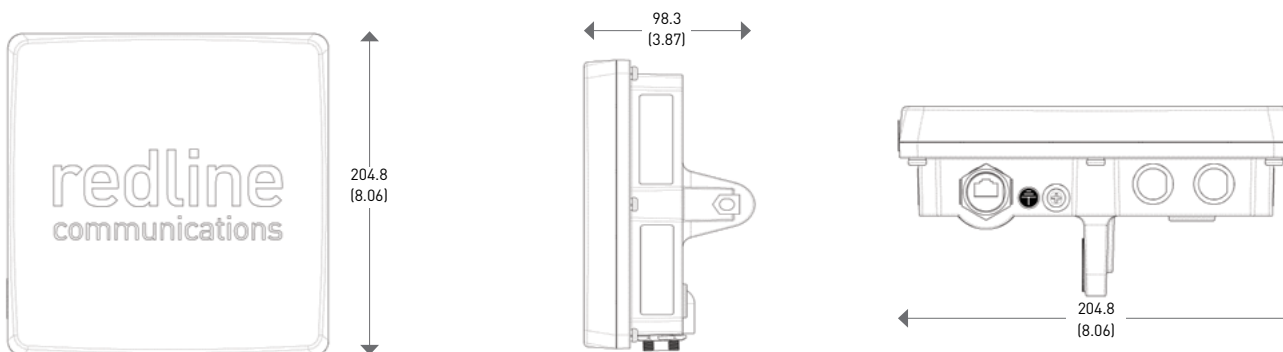
Dimensions

204.8 x 204.8 x 98.3 mm (8.06 x 8.06 x 3.87 in)

Weight

2.0 kg (4.4 lbs)

DRAWINGS



Dimensions are in millimeters (inches)

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