



RDL-3000 XP Enterprise

4940-5875 MHz Wireless Remote Subscriber for Premium Wireless Access

The Enterprise wireless Customer Premise Equipment (CPE) provides high performance TCP/IP transport for dedicated access, trunking and midrange backhaul applications. Either deployed in pairs for point-to-point (PTP) service or connected from multiple sites to the Aviat Networks' Ellipse series base station in point-to-multipoint (PMP) applications, Enterprise terminals economically deliver reliable, simultaneous voice, data and video services.

Superior performance allows for lower antenna heights and significantly reduced deployment costs. Flexible mounting options and full over-the-air provisioning lowers upfront costs and yields faster ROI.

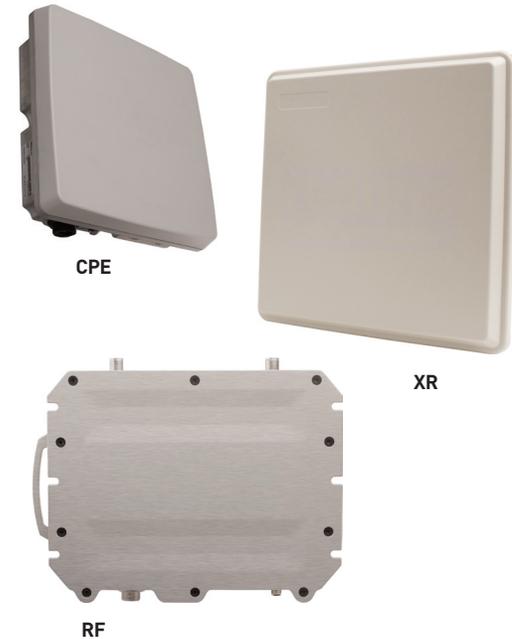
Enterprise CPE offers the most cost-effective solution while Enterprise XR and Enterprise RF meet the challenge of sites requiring extra power or extended distance..

ENTERPRISE FEATURES

- Installs in minutes on buildings and street furniture
- Push all provisioning (SLAs), upgrades and Pay-as-You-Grow features over-the-air
- Comprehensive warranty, maintenance and optimization packages for lowest TCO
- Supported by industry's first CRM-integrated auto-provisioning system

AVIAT NETWORKS' TECHNOLOGY ADVANTAGE

Aviat Networks' award winning Virtual Fiber™ system is advanced technology that delivers multipoint access or transport quickly and cost-efficiently. The unsurpassed fixed-wireless and nomadic-wireless solution has all your communication needs covered, while easily outperforming traditional point-to-point microwave applications.



SYSTEM AT A GLANCE

High performance wireless terminal for PTP and PMP

Three models CPE/XR/RF meet all your deployment needs

Approved bands in 4940-5875 MHz with over 10 selectable channel sizes

Simple Layer 2 network integration

Field-proven in complex urban environments

Multiple user-defined service levels per terminal

High-grade cyber security features

Small footprint and low power requirement

Optimized for HD video streaming

4940-5875 MHZ WIRELESS REMOTE SUBSCRIBER - SPECIFICATIONS

OVER THE AIR

Capability	LOS/OLOS software-defined PMP (std.) or PTP terminal [software keyed option] ¹
Channel Access	Scheduler with ARQ (Automatic Repeat Request)
Channel Efficiency	Up to 93%
Channel Size	0.875/1.75/3.5/7/14 ; 1.25/2.5/5/10/20 MHz [software selectable] ¹
Modulation & Coding	BPSK to 256 QAM 7/8 ¹
RF Band	4940-5875 MHz ¹
RF Features	Dynamic and multiple Fixed Frame profiles; Fast Fusion Link Adaptation; Frequency scanning; Spectrum Analyzer
Spectral Efficiency	9.3 bits per second per Hertz
Transmission	OFDM, TDD/TDMA 2 x 2 MIMO A/B with STBC & MRRC, high-rejection Tx/Rx filtering
Wireless Throughput	Up to 186.6 Mbps UBR ¹

NETWORK

Latency	<10 ms
Layer 2	160 Mbps max. aggregate ¹
Management Interface	ClearView NMS, SNMP v2c/v3, HTTP/HTTPS (Web), Telnet/ SSH (CLI), Management VLAN tagging, RADIUS User Authentication, OTA software upgrades
Metered Data Speeds	From 512 Kbps to Unlimited (Software keyed option) ¹
Network Features	Transparent bridge, DHCP pass-through, 802.1Q VLAN (Q-in-Q), VLAN, Whitelisting, Syslog, SNMP
Packet Processing	>280,000 Packets/second
Provisioning	MAC-Based; Template-based; Automatic using Aviat Networks ClearView NMS ¹
QoS	802.1p, 802.3x, CIR & PIR settings, up to 8 services per terminal
Security	Management Encryption: TLS v1.2, AES-256, SHA1

ENVIRONMENTAL

Enclosure	IP 67 (IEC 60529), Chromate finished aluminum with polycarbonate radome where applicable.
Humidity	100% humidity, condensing
Power Requirement	<17 W; standard IEEE 802.3af (PoE) over CAT5 cable 100 m (330 ft) max.
Surge Protection	Built-in: PoE and RF ports
Temperature	-40 to 60 °C (-40 to 140 °F) dynamic and thermal dissipation (no moving parts) Short-Term Storage: -50 to 85 °C [-58 to 185 °F]

COMPLIANCE

Bands:	4.9 GHz ¹ : RSS-111, FCC Part 90Y 5.2 GHz ¹ : RSS-247, FCC Part 15.407 5.4 GHz ¹ : RSS-247, FCC Part 15.407, ETSI EN 301 893 5.8 GHz ¹ : RSS-247, FCC Part 15.407, ETSI EN 302 502
EMC:	EN 301 489-17
Safety:	IEC, EN, and UL/CSA 62368-1

PATENTS

Website:	Protected by U.S. Patents 8,711,920 8,750,365 8,711,921. Additional patents may be pending in the U.S. and elsewhere (rdlcom.com/patents).
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All specifications are subject to change without notice.

1. Availability restricted by regional regulations, model type, software version and purchased product options key.

4940-5875 MHZ WIRELESS REMOTE SUBSCRIBER - SPECIFICATIONS (CONTINUED)

ENTERPRISE CPE

Antenna

19 dBi, 15 degree, integrated MIMO
Up to +44 dBm max. EIRP*

Connections

1x 10/100 Ethernet (RJ-45)

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) (without bracket)

In the Box

RDL-3000 XP Enterprise CPE 4940-5875 MHz with 8 in (205 mm) integrated antenna, RJ45 Ethernet port, port gland and dust caps, AC-DC PoE (802.3af) and mounting kit for wall or 1.75-4.5" (25-115 mm) pole.

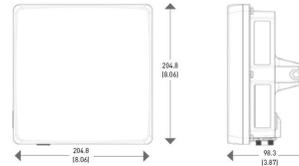


Enterprise CPE
8 in Int. Antenna
10/100 Eth RJ-45

Lightweight
Mounting Kit

Ethernet
Port Gland

AC PoE
Power Adapter



ENTERPRISE XR

Antenna

24 dBi, 8 degree, externally integrated MIMO
Up to +49 dBm max. EIRP*

Connections

1x 10/100 Ethernet (RJ-45)

Dimensions

368 x 368 x 116.6 mm (14.5 x 14.5 x 4.59 in)

Weight

3.13 Kg (6.9 lb) (without bracket)

In the Box

RDL-3000 XP Enterprise XR 4940-5875 MHz with 14 in (360 mm) externally integrated antenna, RJ-45 Ethernet port, port gland and dust caps, AC-DC PoE (802.3af) and mounting kit for wall or 1.75-4.5" (25-115 mm) pole.

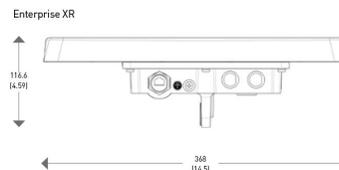


Enterprise XR
14 in Int. Antenna
10/100 Eth RJ-45

Lightweight
Mounting Kit

Ethernet
Port Gland

AC PoE
Power Adapter



ENTERPRISE RF

Antenna

Up to +25 dBm max., external MIMO

Connections

1x 10/100 Ethernet (RJ-45)
2x RF N(F)

Dimensions

306.8 x 230 x 60.3 mm (12.079 x 9.06 x 2.375 in)

Weight

2.7 kg (6.0 lbs) (without bracket or antenna)

In the Box

RDL-3000 XP Enterprise RF 4940-5875 MHz with 2x RF N(f), RJ-45 Ethernet port, port gland and dust caps, ACDC PoE (802.3af) and mounting kit for wall or 1.75-4.5" (25-115 mm) pole.

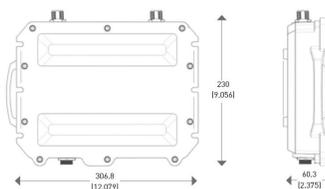


Enterprise RF
Ext. Antenna 2xN(f)
10/100 Eth RJ-45

Lightweight
Mounting Kit

Ethernet
Port Gland

AC PoE
Power Adapter



*Max combined transmit power: MIMO mode/frequency band specific