



# RDL-3000 XP Elte MT

## Wireless TCP/IP Data Terminal for High Security Environments

The RDL-3000 XP Elte MT provides secure reliable wireless transport for very harsh industrial sites. This extremely tough high-speed wireless terminal is purpose-built to operate where commercial grade equipment could not function or would be destroyed.

### FEATURES AND BENEFITS

- Highly reliable data terminal with flexible architecture adapts to meet PMP and PTP deployment challenges in extreme locations
- High throughput for multi-service transport including M2M telemetry and telecontrol, data, video and voice services
- Strong interference resistance and non line of sight operation simplifies installation and lowers maintenance costs
- Durable all-weather enclosure for reliable operation in extreme 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 Elte MT is fully compatible with all Aviat Networks RDL-3000 XP family base stations and wireless terminals. Aviat Networks provides a complete selection of peripherals and professional services for all your deployment needs.

### UNIFIED GLOBAL SOLUTIONS

Aviat Networks' award winning Virtual Fiber™ system is advanced technology that delivers wireless multipoint access or transport quickly and cost-effectively. The unsurpassed fixed-wireless and nomadic-wireless solutions has all your communication needs covered, covering a myriad of customer applications



### SYSTEM AT A GLANCE

Outdoor software-defined wireless terminal for PMP and PTP applications

Extends high speed TCP/IP transport to industrial-rated sites

Reliable fast transport of M2M, data, HD video and voice traffic

Hardened aluminum case with stainless steel components and integrated MIMO antenna

-40 to 75 °C operating range using dynamic and thermal dissipation (no moving parts)

High-grade cyber security features

Very low latency supports time-sensitive applications

Low power requirement suitable for solar applications

## RDL-3000 XP ELTE MT SPECIFICATIONS

<b>Capability</b>	LOS/OLOS/NLOS PMP/PTP Terminal		
<b>Wireless transmission</b>	OFDM (orthogonal frequency-division, multiplexing), TDD, 2 x 2 A/B MIMO		
<b>RF Band (MHz)</b>	2000-2300 <sup>1</sup> , 2300-2700 <sup>1</sup> , 3300-3800 <sup>1</sup> , 4940-5875 <sup>1</sup>		
<b>Channel Size (MHz)</b>	0.875/1.25/1.75/2.5/3.5/5/6/7/10/12/14/20 software selectable <sup>1</sup>		
<b>Modulation</b>	BPSK to 256 QAM, TDMA		
<b>System Capacity</b>	3 Mbps to 186.6 Mbps UBR		
<b>Max EIRP</b>	<b>Band (MHz)</b>	<b>Tx Power (dBm)</b>	<b>Antenna Gain (dBi)</b>
	5000	22	19
	2500/3000	23	15
	2100	28	14/18
	UHF	23	8
<b>Antenna Info</b>	Integrated MIMO		
<b>Wireless QoS</b>	Dynamic Spectrum Access & Management <sup>1</sup>		
<b>MAC</b>	Dynamic ARQ		
<b>Security</b>	AES 128/256 (OTA, FIPS 197 compliant); HTTPS (SSL), SSH (CLI), SNMP v3; MAC-based, Mutual Authentication; ECDSA Certificates Authentication <sup>1</sup>		
<b>Encryption (OTA)</b>	AES-128 <sup>1</sup> and AES-256 <sup>1</sup> (software keyed)		
<b>Connection</b>	10/100 Ethernet (RJ-45)		
<b>Ethernet Rate</b>	Up to 100 Mbps		
<b>Latency</b>	<10 ms		
<b>Processing (PPS)</b>	>280,000		
<b>Attributes</b>	Transparent bridge, DHCP pass-through, 802.1Q VLAN		
<b>Network QoS</b>	Multiple services with unique CIR & PIR, 802.3x, 802.1p/Q		
<b>Management</b>	ClearView NMS, HTTP, SNMP v2/v3, Telnet, HTTPS/SSL, SSH		
<b>Temperature</b>	-40 to 75 °C [-40 to 167 °F]		
<b>Enclosure</b>	IP67 (IEC 60529)		
<b>Humidity</b>	100% humidity, condensing		
<b>Surge Protection</b>	Built-in: PoE and RF ports		
<b>Power</b>	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

### Compliance

Safety:	IEC/EN/UL 60950-1 IEC/EN 62368-1
EMC:	EN 301 489-4 EN 301 489-17
5.8 GHz <sup>1</sup> :	RSS-247, FCC Part 15.407 ETSI EN 302 502
5.4 GHz <sup>1</sup> :	RSS-247, FCC Part 15.407 ETSI EN 301 893
4.9 GHz <sup>1</sup> :	RSS-111, FCC Part 90Y
3.65-3.70 GHz <sup>1</sup> :	RSS-197, FCC Part 90Z
3.5 GHz <sup>1</sup> :	RSS-192
3.4-3.6 GHz <sup>1</sup> :	EN 302 326-2
2.6 GHz <sup>1</sup> :	FCC Part 27
2.4 GHz <sup>1</sup> :	RSS-210, ETSI 300 328, FCC Part 15C
2.3 GHz <sup>1</sup> :	RSS-195
2.1 GHz <sup>1</sup> :	{2.025-2.110 GHz <sup>1</sup> , 2.200-2.290 GHz <sup>1</sup> } ITU-R F.1098



### Physical Attributes

#### Dimensions

204.8 x 204.8 x 72.6 mm (8.06 x 8.06 x 2.86 in)

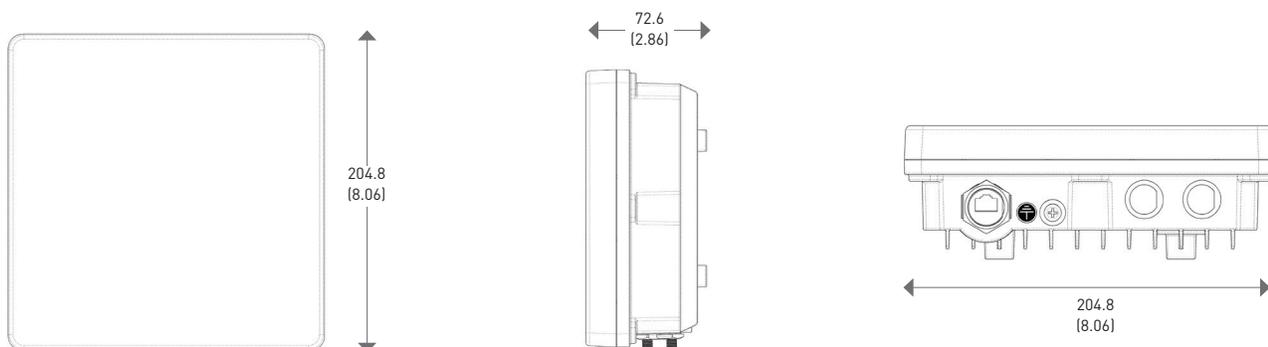
#### Weight

2.0 kg (4.4 lbs) without bracket

#### Patent No.

US 9,468,028 B2

## DRAWINGS



Dimensions are in millimeters (inches)