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 Redline RDL-3000 XP family base stations and wireless terminals. Redline provides a complete selection of peripherals and professional services for all your deployment needs.

**REDLINE’S TECHNOLOGY ADVANTAGE**

Redline’s 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.
RDL-3000 XP Elte MT SPECIFICATIONS

**Compliance**
Safety: IEC, EN, and UL/CSA 60950
EMC: EN 301 489-1, EN 301 489-17
5.8 GHz: IC RSS-210, FCC Part 15, ETSI EN 302 502
5.4 GHz: IC RSS-210, FCC Part 15, ETSI EN 301 893
4.9 GHz: IC RSS-111, FCC Part 90
3.65-3.70 GHz: IC RSS-192, FCC Part 90Z
3.5 GHz: IC RSS-111, FCC Part 90Z
3.3-3.8 GHz: ETSI EN 302 326-2
2.6 GHz: EN 302-544, FCC Part 27
2.4 GHz: IC RSS-210, ETSI EN 300-328, FCC Part 90Z
2.3 GHz: IC RSS-195
2.1 GHz: ITU-R F.1098
Security: FIPS 140-2 Certified

**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

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**Capability**
LOS/NLOS/NLOS PMP/PTP Terminal

**Wireless transmission**
OFDM (orthogonal frequency-division, multiplexing), TDD, 2 x 2 A/B MIMO

**RF Band (MHz)**
470-698, 2000-2300, 2300-2700, 3300-3800, 4940-5875

**Channel Size (MHz)**
0.875/1.25/1.75/2.5/3.5/4.7/10/12/14/20 software selectable

**Modulation**
BPSK to 256 QAM, TDMA

**System Capacity**
3 Mbps to 186.6 Mbps UBR

**Max EIRP**

<table>
<thead>
<tr>
<th>Band (MHz)</th>
<th>Tx Power (dBm)</th>
<th>Antenna Gain (dBi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000</td>
<td>22</td>
<td>19</td>
</tr>
<tr>
<td>2500/3000</td>
<td>23</td>
<td>15</td>
</tr>
<tr>
<td>2100</td>
<td>28</td>
<td>14/18</td>
</tr>
<tr>
<td>UHF</td>
<td>23</td>
<td>0</td>
</tr>
</tbody>
</table>

**Antenna Info**
Integrated MIMO

**Wireless QoS**
Dynamic Spectrum Access & Management

**MAC**
Dynamic ARQ

**Security**
AES 128/256 [OTA, FIPS 197 compliant], HTTPS (SSL), SSH (CLI), SNMP v3; MAC-based, Mutual Authentication; ECDSA Certificates Authentication; FIPS-140-2

**Encryption (OTA)**
AES-128 and AES-256 (software keyed)

**Connection**
10/100 Ethernet (RJ-45)

**Latency**
<10 ms

**Processing (PPS)**
>280,000

**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 75 °C (-40 to 167 °F)

**Enclosure**
IP68 (IEC 60529)

**Humidity**
100% humidity, condensing

**Surge Protection**
Built-in: PoE and RF ports

**Power**
Standard IEEE 802.3at (PoE), cable 91 m (300 ft) max.

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All specifications are subject to change without notice.
1. Availability restricted by regional regulations or product options; 2. Pending

**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