

### Advanced Access Point & Router

Tranzeo’s **EL-400** is an advanced Quad-Band Access Point (AP) that features high performance radio and advanced networking and management capabilities including up to 4 virtual AP’s, NAT and Static Routing, DHCP Server, WMM QoS, WPA2-Enterprise Security, VLAN, and Bandwidth Allocation.

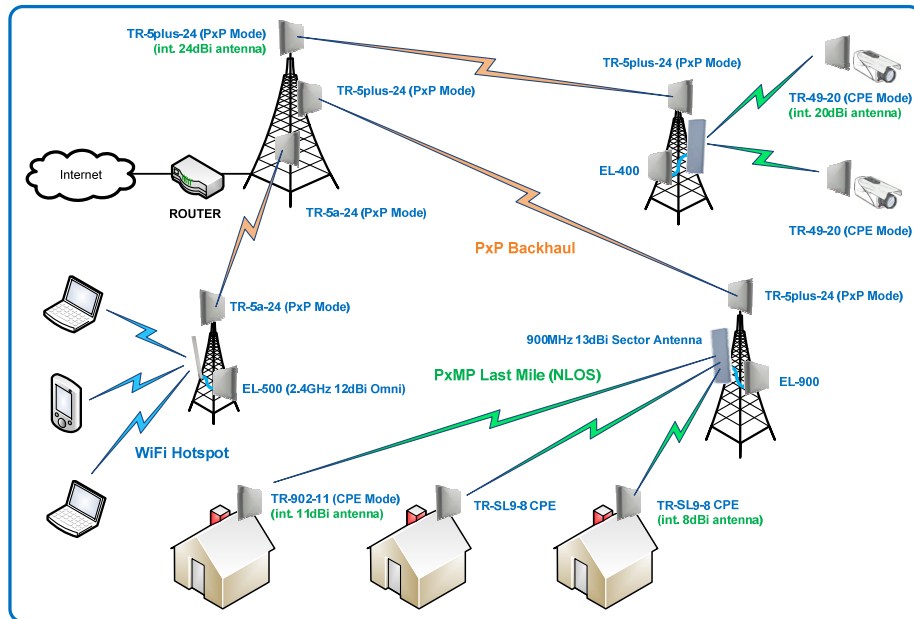
Suitable for medium to long range applications, and with features such as Splash Pages, Radius support and Multiple ESSIDs, the **EL-400** is also ideal for WiFi Hotspots, Enterprise, and 4.9GHz Public Safety networks.

Designed and manufactured at Tranzeo’s leading edge engineering facilities and in-house state-of-the-art manufacturing in British Columbia, Canada resulting in the highest quality and lowest cost. The **EL-400** is also RUS accepted with “Buy American” status, making it qualified for stimulus funding.

The ruggedized weatherproof all-in-one design meets IP67 and NEMA Type 4X environmental standards, requiring minimum installation and maintenance costs in conditions ranging from -55 °C to +55 °C. The **EL-400** is also backed by an industry-leading **5-Year Parts and 3-Year Part & Labour Warranty** and **Lifetime Technical Support** for worry-free network operation.

### Applications

- Remote Data Acquisition
- Internet Service
- Public Safety
- Security and Surveillance
- Private Networks
- WiFi Hot Spots



### Key Features

- IEEE 802.11a/b/g Compliant
- Up to +25dBm Transmit Power with Adjustable Output
- 5, 10, or 20MHz Channel BW
- Router and Bridge Modes
- Up to 4 Virtual Access Points with Multiple ESSSID’s
- 802.11Q VLAN per ESSSID
- 802.11e WMM QoS
- Bandwidth Allocation per ESSSID
- WPA2-Enterprise Security
- Stateful Packet Inspection and Custom Firewall Rules
- NAT, VPN Pass-through
- Power-over-Ethernet (PoE)
- Daylight Visible Alignment LED’s
- Rugged & Weatherproof Design
- Web-based Management Tools
- Tranzeo CLI (SSH) and Remote Firmware Upgrade

### About Tranzeo Wireless Technologies™

Tranzeo Wireless Technologies Inc. (TSX:TZT) leads the wireless broadband industry for value, by producing high-performance wireless network equipment with a low cost of ownership and unparalleled service allowing communities and businesses to communicate without boundaries. Since the company’s inception in 2000, Tranzeo’s optimum cost effectiveness, premium quality and responsive support have attracted a growing number of devoted dealers and distributors worldwide.

| Radio Interface and Model Information |  |   |
|---------------------------------------|--|---|
| Standards                             | IEEE 802.11a/b/g   |   |
| Frequency Range                       | 2.412 - 2.462 GHz / 4.94 - 4.99 GHz / 5.18 - 5.32 GHz / 5.745 - 5.825 GHz  |   |
| Channel Bandwidths                    | 5MHz, 10MHz, 20MHz   |   |
| Radio Modes                           | Access Point   |   |
| Transmit Power                        | <b>b/g-mode</b>  | +25dBm (max) with Adjustable Output         |
|                                       | <b>a-mode</b>  | +24 dBm (max) with Output Gain Control      |
| Receiver Sensitivity                  | <b>b-mode</b>  | -88 dBm @ 11 Mbps, -97 dBm @ 1 Mbps         |
|                                       | <b>g-mode</b>  | -74 dBm @ 54 Mbps, -91 dBm @ 6 Mbps         |
|                                       | <b>a-mode</b>  | -72 dBm @ 54 Mbps, -91 dBm @ 6 Mbps         |
|                                       | <b>b-mode</b>  | 5.5/11 Mbps CCK, 2 Mbps DQPSK, 1 Mbps DBPSK |
| Data Rate & Modulation                | <b>a/g-mode</b> 48/54 Mbps QAM-64, 24/36 Mbps QAM-16, 12/18 Mbps QPSK, 6/9 Mbps BPSK   |   |
| Receive Signal Strength               | Noise and Receive Signal Levels (dBm) and Daylight Visible Alignment LED's   |   |
| Antenna Connector                     | N-Type Female  |   |
| Model No. <sup>(1)</sup>              | EL-400f/W  |   |
| Networking and Management             |  |   |
| Device Management                     | Cross-Platform Utility, Web-Based Management, Remote Configuration and Firmware Upgrades (via IP), TFTP, SNMP v2c (MIB-II, 802.11 MIB, Tranzeo MIB), Tranzeo CLI (SSH), Import/Export/Save Settings Profiles |   |
| Diagnostic Tools                      | Event Log, Statistics, Packet Capture, Ping, Traceroute, DHCP Relay Tester   |   |
| Advanced Client Information           | Data Rate, Signal Level, Traffic Usage   |   |
| Protocols                             | TCP/IP, UDP, NAT, DHCP Client/Server/Relay, VPN Pass-Through, Multiple MAC Bridging  |   |
| Multiple ESSID's                      | Up to 4 Virtual AP's with the ability to hide ESSID's and support for multiple user classes  |   |
| VLAN                                  | 802.1Q VLAN per ESSID  |   |
| Quality of Service (QoS)              | 802.11e WMM and Tranzeo QoS (4 Primary Classes)  |   |
| Bandwidth Management                  | Bandwidth Allocation per ESSID   |   |
| Security & Access Control             | WEP/WPA/WPA2 (TKIP/AES/Enterprise), MAC Address Filtering (Whitelist/Blacklist), Custom Firewall Rules (iptables), Stateful Packet Inspection (SPI), Inter-Station Client Blocking                           |   |
| Ethernet                              | 1 x Auto-Sensing 10/100Base-T (Water-Tight RJ-45)  |   |
| Max DHCP Clients                      | 255  |   |
| Power Supply, Processor and Memory    |  |   |
| Power Consumption                     | 12 Watts (max)   |   |
| Power Supply                          | Power over Ethernet (PoE)  |   |
| DC Adapter                            | 18VDC/1.1A (INPUT: 120-240VAC~ 50-60Hz, 0.6A)<br>f-Model: Fixed UL Plug (US only) W-Model: Snap-In Plugs for US, UK, and EU included   |   |
| Processor                             | AMCC PowerPC® 405EP 333MHz (500 MIPS)  |   |
| FLASH & RAM                           | 256MB FLASH and 64MB SDRAM   |   |
| Mechanical and Environmental          |  |   |
| Dimensions (radio only)               | 10.38" x 8.63" x 3.00" (264mm x 219mm x 76mm)  |   |
| Dimensions (package)                  | 21" x 13" x 4" (540mm x 330mm x 100mm)   |   |
| Weight (package)                      | 4.65 lbs (2 Kg)  |   |
| Installation Hardware (included)      | PoE Injector with Built-in Surge Protection, DC Adapter, Ethernet Boot with Weatherproof Gasket, L-Bracket with KEP nuts and U-Bolt for Pole Mount   |   |
| Weather Rating                        | IP67 and NEMA Type 4X  |   |
| Wind Load                             | 69 N @ 100 mph and 108 N @ 125 mph   |   |
| Operating Temperature                 | -55°C to +55°C   |   |
| Storage Temperature                   | -40°C to +85°C   |   |
| Compliance and Warranty               |  |   |
| Export Control                        | HTC 8517.69.0000, ECCN 5A002 ENC, ECL 1-5.A.2.A.1  |   |
| Compliance & Approvals                | RoHS, FCC Part 15 Class B, FCC Part 90, Industry Canada, CEI, EMC: EN 301 489, Safety: EN 60950, Radio: EN 302 213   |   |
| Warranty                              | 5-Year Parts / 3-Year Parts and Labour   |   |

<sup>(1)</sup> f: FCC Model (for use in the USA only), W: World Model (subject to local regulatory requirements). Specifications are subject to change without notice. Tranzeo and the Tranzeo logo are registered trademarks of Tranzeo Wireless Technologies Inc.