

Advanced Access Point & Router

The **EL-900** is Tranzeo's advanced Access Point (AP) operating in the license-free 900MHz band, and is based on the IEEE 802.11b/g standards. It 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.

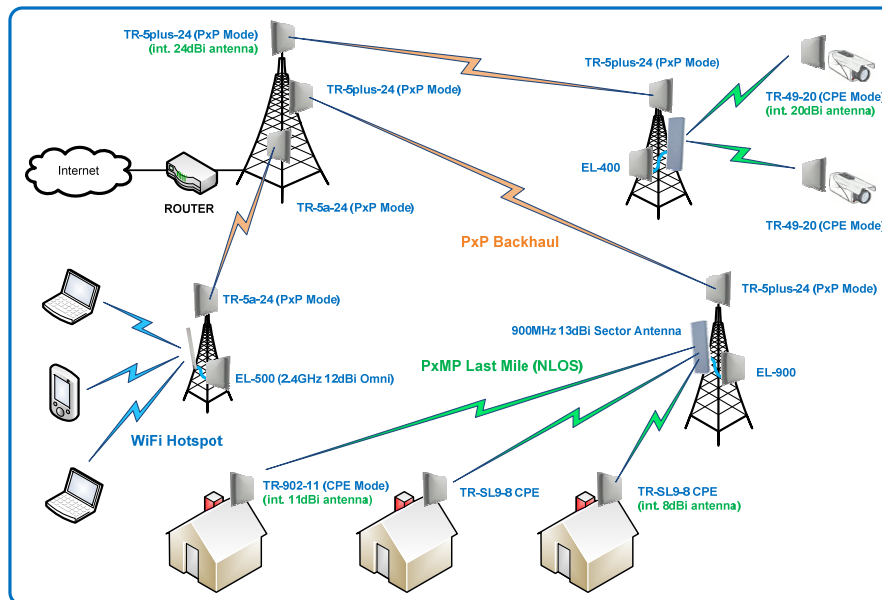
Suitable for Non-Line-of-Sight (NLOS) medium to long range applications, and with features such as Splash Pages, Radius support and Multiple ESSIDs, the **EL-900** is ideal for "Last Mile" connectivity and Enterprise networks.

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-900** 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-900** 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
- Video Transmission
- Security and Surveillance
- Private Networks
- Non-Line-of-Sight



Key Features

- IEEE 802.11a/b/g Compliant
- Up to +29dBm Transmit Power with Adjustable Output
- 5, 10, or 20MHz Channel BW
- Router and Bridge Modes
- Up to 4 Virtual Access Points with Multiple ESSIDs
- 802.11Q VLAN per ESSID
- 802.11e WMM QoS
- Bandwidth Allocation per ESSID
- 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.

Tranzeo Wireless Technologies Inc.

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Radio Interface and Model Information	
Standards	IEEE 802.11b/g Based
Frequency Range	902 – 928 MHz
Channel Bandwidths	5MHz, 10MHz, 20MHz
Radio Modes	Access Point
Transmit Power	+29dBm (peak), +25dBm (mean) with Adjustable Output
Receiver Sensitivity	b-mode -83dBm @ 11Mbps, -86dBm @ 5.5Mbps, -89dBm @ 2Mbps, -92dBm @ 1Mbps
	g-mode -67dBm @ 54Mbps, -69dBm @ 48Mbps, -74dBm @ 36Mbps, -78dBm @ 24Mbps, -87dBm @ 6Mbps
Data Rate & Modulation	b-mode 5.5/11 Mbps CCK, 2 Mbps DQPSK, 1 Mbps DBPSK
	g-mode 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. ⁽¹⁾	EL-900f/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) 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)	13.22" x 10.28" x 3.50" (336mm x 261mm x 89mm)
Dimensions (package)	24" x 13" x 4" (610mm x 330mm x 100mm)
Weight (package)	6.30 lbs (3 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	105 N @ 100 mph and 165 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, Industry Canada
Warranty	5-Year Parts / 3-Year Parts and Labour

⁽¹⁾ 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.