

Advanced AP Routing

The **EL-900** is Tranzeo's 900MHz NLOS Outdoor Access Point (AP) that features high performance radio and advanced networking and management capabilities including advanced Routing, Point-to-Point Bridging, DHCP Server, QoS, Security, and Bandwidth Management.

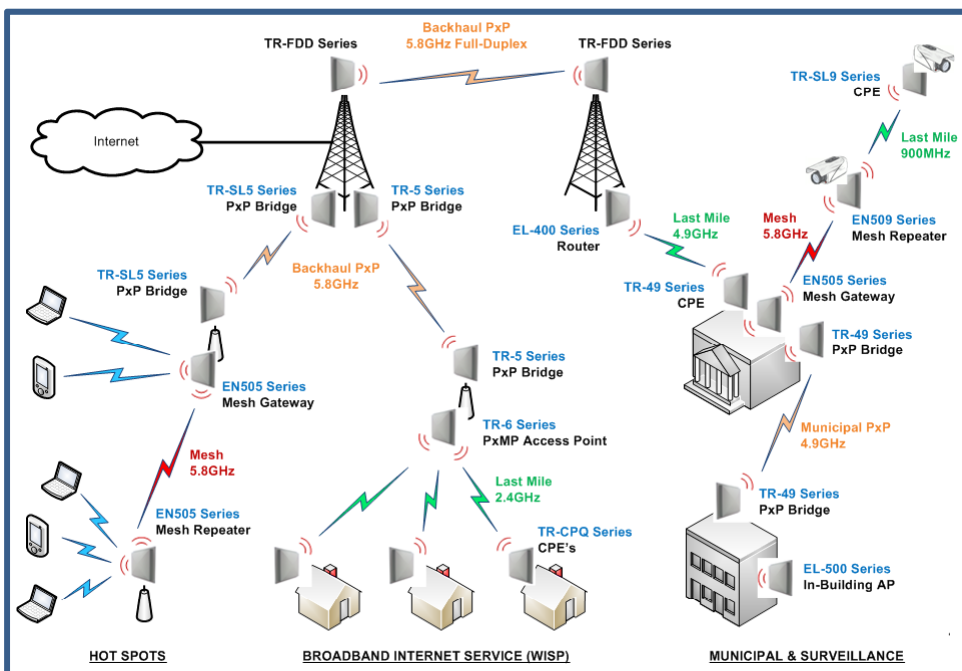
The ruggedized weatherproof all-in-one design meets IP67 and NEMA Type 4X environmental standards, requiring minimum installation and maintenance costs in conditions ranging from -60 °C to +60 °C. The **EL-900** is also backed up by an industry-leading **5-Year Parts and 3-Year Part & Labour Warranty** and **Lifetime Technical Support** for worry-free network operation.

Tranzeo's leading edge engineering facilities combined with our state-of-the-art in-house manufacturing ensures highest quality products at very competitive prices. The **EL-900** family of products are RUS accepted with "Buy American" status.



Applications

- Remote Data Acquisition
- Internet Service
- Video Transmission
- Security and Surveillance
- Private Networks
- WiFi Hot Spots



Key Features

- IEEE 802.11b/g/a Compliant
- Up to +29dBm Transmit Power with Adjustable Power
- 5, 10, or 20MHz Channel BW
- Router and Bridge Modes
- Up to 4 Virtual Access Points
- 802.11e WMM QoS
- WPA2-Enterprise Security
- NAT, PPPoE, VPN Pass-through
- Wireless Distribution (WDS)
- Power-over-Ethernet (PoE)
- Daylight Visible Alignment LED's
- Rugged & Weatherproof Design
- Web-based Management Tools
- Remote Firmware Upgrade

About Tranzeo Wireless™

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.

19473 Fraser Way, Pitt Meadows, BC, Canada V3Y 2V4 • T: 604.460.6002 • F: 604.460.6005 • Toll Free: 1.866.872.6936 • www.tranzeo.com

Technical Specifications

Radio Interface and Model Information	
Standards	IEEE 802.11b/g Based
Frequency Range	902 – 928 MHz
Channel Bandwidths	5MHz, 10MHz, 20MHz
Radio Modes	Router Mode, Router Mode with NAT, Bridge Mode
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-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
Client Information	Data Rate, Signal Level, Traffic Usage
Protocols	TCP/IP, UDP, NAT, DHCP Client/Server/Relay, PPPoE, WDS, VPN Pass-Through, Multiple MAC Bridging, 802.1Q VLAN per ESSID
Quality of Service (QoS)	802.11e WMM and Tranzeo QoS (4 Primary Classes)
Security	WEP/WPA/WPA2 (TKIP/AES/Enterprise), MAC Address Filtering (Whitelist/Blacklist), Custom Firewall Rules (iptables), Stateful Packet Inspection (SPI), Inter-Station Client Blocking
Bandwidth Management	Bandwidth Allocation per ESSID
Max ESSID's	Up to 4 Virtual AP's with the ability to hide ESSID's and support for multiple user classes
Ethernet	1 x Auto-Sensing 10/100Base-T (Water-Tight RJ-45)
Max DHCP Clients	255
Power Supply, Processor and Memory	
Power Requirement	12 Watts (max)
Power Supply	Power over Ethernet (PoE) - PoE Injector with Surge-Protection included
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)	10.38" x 8.63" x 3.00" (22 cm x 26.5 cm x 7.6 cm)
Dimensions (package)	21" x 13" x 4" (54 cm x 33 cm x 10 cm)
Weight (package)	4.65 lbs (2 Kg)
Installation Hardware	Mounting Bracket (1), Kept Nut/Washer (8), U-Bolt with 2 Nuts (1), Ethernet Boot (1)
Weather Rating	IP67 and NEMA Type 4X
Wind Load	69 N @ 100 mph and 108 N @ 125 mph
Operating Temperature	-65°C to +60°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.