

EL-900 Outdoor AP/Router/Bridge

The EL-900 (900 MHz Outdoor AP with a +29 dBm radio) is the second generation of Tranzeo's industry leading enterprise level access points. Tranzeo has focused on three key aspects of the design of the EL-900: Flexibility, Performance and Appearance.

The EL-900 comes with a high power +25 /29 dBm 802.11b/g* radio complete with FCC certification that gives you the upmost flexibility to choose which frequency of operation at the time of deployment, rather than the time of ordering.

This platform was redesigned from the ground up around a powerful AMCC PowerPC® 405EP processor with an additional 64 MB of RAM to achieve the best performance possible while ensuring backward compatibility with previous generations of product.

In addition to this, Tranzeo has given the EL-900 a new yet familiar look: it now comes in a standard tried and proven Slim Line case. This case allows for easier mounting of external antennas, discreet mounting options and comes with Status LED's which makes installation much easier.

All Tranzeo Outdoor Access Point Routers are designed to deliver the best performance at the best price. The in-house state-of-the-art manufacturing facility in British Columbia, Canada, allows Tranzeo to offer the lowest prices with the highest quality. This unit has been designed with a multitude of network and management features for ease of installation and operation in any new or existing network. Tranzeo is your one-stop source for all of your wireless needs.



Features

RADIO

- Adheres to IEEE802.11 b/g* standards
- High Powered +25/29 dBm output
- Multiple ESSIDs per Radio
- Access Control
- Transmit Power Control

NETWORK

- TCP/IP and UDP
- Router Mode: NAT or Static
- Bridge Mode
- DHCP Server • DHCP Relay
- QoS: IEEE802.11e WMM
- VLAN Support: IEEE802.1Q

SECURITY

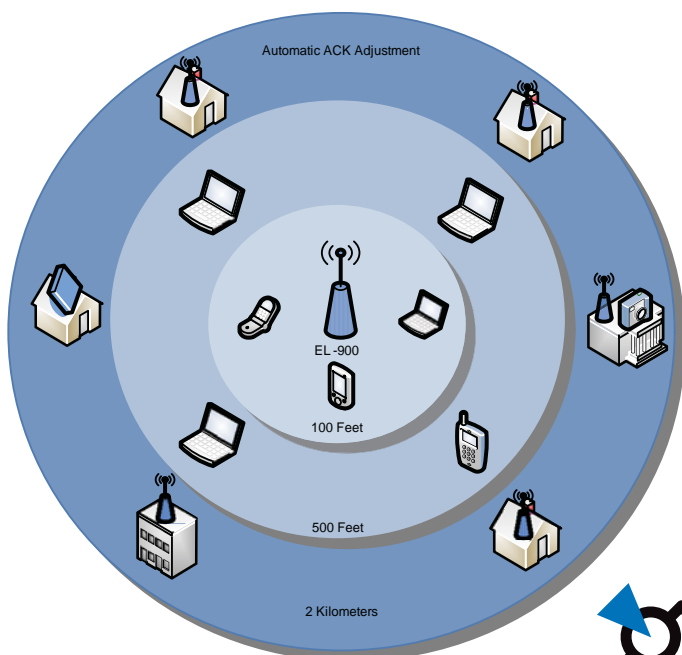
- WEP 64/128 • WPA • WPA2
- Stateful Packet Inspection
- Custom Firewall Rules

MANAGEMENT

- Web-GUI element manager
- Tranzeo CLI (SSH) • Remote Upgrade
- Import/Export Configuration

LOW COST AND THE HIGHEST QUALITY

- LOW COST TODAY
- Aggressive cost reductions passed on to the customer
- Backed by Tranzeo's Industry Leading Five Year Warranty*




TRANZEO
WIRELESS TECHNOLOGIES INC.

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EL-900 Specifications

Wireless Access Point Specifications		
Radio	IEEE 802.11 b/g*	
Frequency Band	902 MHz to 928 MHz	
Transmit Power (peak)	<i>b/g Mode</i>	+25dBm mean, +29dBm peak
Receive Sensitivity	<i>b Mode</i>	-83dBm @ 11Mbps, -86dBm @ 5.5Mbps, -89dBm @ 2Mbps, -92dBm @ 1Mbps
	<i>g Mode</i>	-67dBm @ 54Mbps, -69dBm @ 48Mbps, -74dBm @ 36Mbps, -78dBm @ 24Mbps, -87dBm @ 6Mbps
Radio Features		
Multiple ESSID	Up to 4 virtual AP's, with the ability to hide ESSID's	
Access Control	Whitelist or blacklist available for all interfaces, Inter-station Client Blocking	
Transmit Power Control	Radio card power can be scaled to back for closer installations to avoid noise issues and to meet regulatory requirements	
Network		
Protocol	TCP/IP, UDP, Spanning Tree	
Modes	Router Mode, Router Mode with NAT, Bridge Mode	
IP Addressing	DHCP client, server or relay	
QoS	802.11e WMM & Tranzeo QoS (4 primary classes)	
Traffic Optimization	Bandwidth allocation per ESSID	
VLAN	802.1Q (VLAN per ESSID)	
Advanced Client Display	Displays client information such as data rate, signal level and traffic usage on a per interface basis	
Security	AP-WEP/WPA/WPA2 (PSK w/TKIP, EAP-TLS, EAP-PEAP TLS, EAP-PEAP MSChap/v2, EAP-TTLS), MAC address filtering, Custom Firewall rules	
Management		
Remote Configuration	Web-GUI element manager - remote management and software upgrade / Tranzeo CLI (SSH) / SNMP V2c / Import, Export and Saving of settings as profiles	
Advanced Diagnostic Features	Event Log, Statistics, Packet Capture, Ping, Traceroute and DHCP Relay Tester	
Hardware Specifications		
Ethernet	Auto-sensing 10/100 BaseT	
Power supply	Power over Ethernet (POE)	
Power Consumption	12 W maximum	
Processor	AMCC PowerPC® 405EP 333 MHz	
Ram	64 MB SDRAM	
Dimensions	8.65" x 10.4" x 3.0" (22 cm x 26.5 cm x 7.6 cm)	
Weight	1.80 lbs (0.82kg)	
Antenna Connector	N-Female	
Environmental Specifications		
Operating Temperature	-55°C to +55°C	
Storage Temperature	-40°C to +85°C	
Weather rating	Designed to meet IP67 and NEMA 4X ratings	
Wind Load	@ 100 mph: 69 N, @ 125 mph: 108 N	
Approvals		
FCC CFR 47 Part 15, Class B		

Specifications are subject to change without notice, all items Subject to local regulations. * Warranty – Five year for parts /three year for parts and labour. All trademarks and copyrights are registered to their respective owners.

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