

EL-500 Outdoor AP/Router/Bridge

The EL-500 (2.4/5.8 GHz Outdoor AP with a +25/24 dBm radio, respectively) 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-500: Flexibility, Performance and Appearance.

The EL-500 comes with a +25/24 dBm 802.11a/b/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-500 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 IEEE802.11a/b/g standards
- High Powered +25/24 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

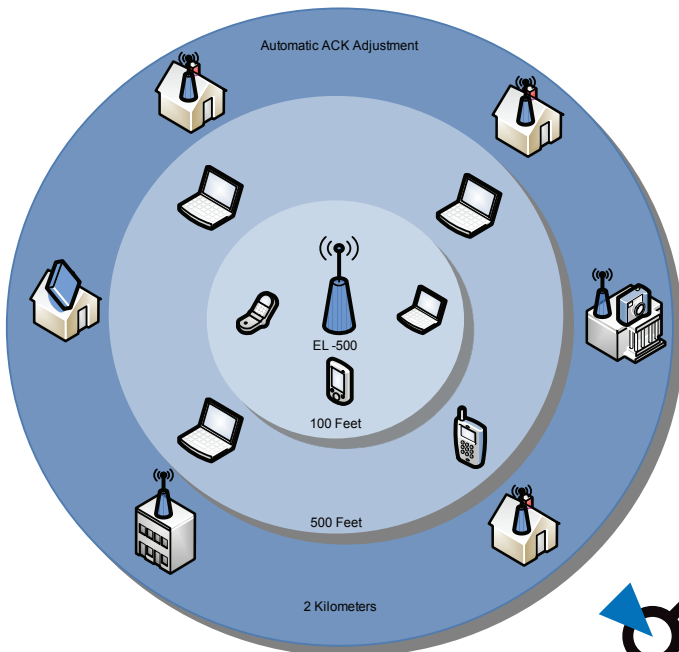
- WEP 64/128 • WPA • WPA2
- Stateful Packet Inspection
- Custom Firewall Rules

MANAGEMENT

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

LOW COST AND THE HIGHEST QUALITY

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




TRANZEO
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EL-500 Specifications

Wireless Access Point Specifications			
Radio	IEEE 802.11 a/b/g		
Frequency Band	2.412 - 2.462 GHz 5.18 – 5.32 GHz/ 5.745 GHz / 5.825 GHz		
Transmit Power (peak)	<i>a Mode</i>	+24 dBm	<i>b/g Mode</i> +25 dBm
Receive Sensitivity	<i>a Mode</i>	-72 dBm @ 54 Mbps, -91 dBm @ 6 Mbps	
	<i>b Mode</i>	-88 dBm @ 11 Mbps, -97 dBm @ 1 Mbps	
	<i>g Mode</i>	-74 dBm @ 54 Mbps, -91 dBm @ 6 Mbps	
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		
Transmit Power Control	Radio card power can be scaled to back for closer installations to avoid noise issues and to meet regulatory requirements		
Client Isolation	Inter-station Client Blocking		
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
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