

### All-in-One AP/PxP/CPE

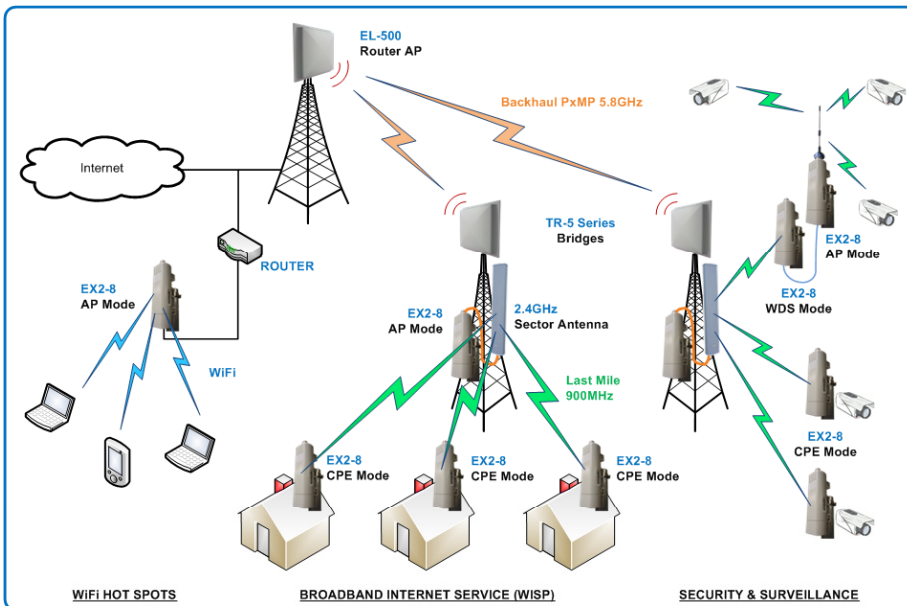
Tranzeo's new **EX2** series of wireless LAN products are **IEEE 802.11b/g/n** compliant, operate in the license-free **2.4GHz** frequency band, and support data rates of up to **150 Mbps**. The versatile multi-mode design supports AP, PxP, CPE, and Repeater modes, and features advanced networking and management capabilities including WEP/WPA/WPA2 security, WMM QoS, and NAT Routing.

The compact **EX2-8** design features an integrated **8dBi** directional panel antenna and a high performance radio with up to **+26dBm** output power. An N-Type connector is also available for applications requiring an external antenna. The all-in-one design comes complete with a passive **PoE** injector and DC adaptor, requiring a single CAT5 cable for power and data, yielding the lowest cost of ownership.

The **EX2-8** also features a weather-resistant enclosure that is compliant with the IP65 environmental standards, requiring minimal installation and maintenance costs in conditions ranging from -20 °C to +70 °C. The **EX2** family of products are also backed by a **1-Year Parts and Labor Warranty** and Tranzeo's unparalleled **Lifetime Technical Support** for worry-free network operation.

### Applications

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



### Key Features

- IEEE 802.11b/g/n Compliant
- AP/CPE/Bridge/Repeater Modes
- Up to 150 Mbps Data rate
- Up to +26dBm Transmit Power with Adjustable Output
- Integrated 8dBi Panel Antenna with Alignment LED's
- Software Selectable External N-Type Antenna Connector
- WEP/WPA/WPA2 Security, and WMM QoS
- NAT Routing, VPN-Pass-Through
- TCP/IP, UDP, DHCP, WDS, STP, Telnet, FTP, SNMP
- Power-over-Ethernet (PoE)
- Easy to Install All-In-One Unit
- 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.

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## Technical Specifications

Radio Interface and Model Information						
<b>Standards</b>	IEEE 802.11b/g/n					
<b>Radio Mode(s)</b>	Access Point (AP), AP Repeater, Bridge (PxP), and Customer Premise Equipment (CPE)					
<b>Frequency Range</b>	2402 – 2482 MHz					
<b>Channel Bandwidths</b>	<b>802.11b/g</b>	20 MHz				
	<b>802.11n</b>	20MHz, 40MHz				
<b>Average Transmit Power</b>	<b>802.11b</b>	11Mbps	+26 dBm			
		6-24Mbps	+26 dBm			
	<b>802.11g</b>	36-48Mbps	+25 dBm			
		54Mbps	+24 dBm			
	<b>802.11n</b>	<b>MCS</b>	<b>HT20</b>	<b>HT40</b>		
		0-3	+26 dBm	+26 dBm		
4		+25 dBm	+25 dBm			
5		+24 dBm	+23 dBm			
	6	+23 dBm	+22 dBm			
	7	+22 dBm	+21 dBm			
<b>Output Power Control</b>	Full, 50%, 25%, 12.5%, Min.					
<b>Minimum Receiver Sensitivity</b>	<b>802.11b</b>	-93dBm @ 1Mbps				
	<b>802.11g</b>	-73dBm @ 54Mbps				
	<b>802.11n</b>	-88dBm @ HT20/MSC0, -84dBm @ HT40/MSC0				
<b>Modulation</b>	64-QAM, 16-QAM, QPSK, BPSK, DBPSK, DQPSK, CCK					
<b>Data Rates</b>	<b>802.11b</b>	11, 5.5, 2, 1 Mbps				
	<b>802.11g</b>	54, 48, 36, 24, 18, 12, 9, 6 Mbps				
	<b>802.11n</b>	150, 135, 130, 121.5, 117, 108, 104, 81, 78, 65, 58.5, 54, 53, 40.5, 39, 27, 26, 19.5, 13.5, 13, 6.5, 6 Mbps				
<b>Receive Signal Strength</b>	Receive Signal Strength LED's for Antenna Alignment					
<b>Antenna Configuration</b>	1 x 1					
Antenna Options and Model Information						
Model No.	Type	Polarization	Wind Load (N)		Beamwidth	
			100 mph	125 mph	Horizontal	Vertical
EX2-8 <sup>(1)</sup> (software selectable antenna switch)	+8dBi Panel Antenna (internal)	Vertical	13	20	113°	39°
	N-Male Connector (external)	N/A	13	20	N/A	N/A
Networking and Management						
<b>Device Management</b>	Cross-Platform Utility, Web-Based Management, Remote Configuration and Firmware Upgrades (via IP), Telnet, FTP, SNMP v1/v2c/v3, Save/Load Settings Profiles					
<b>System Status</b>	Wireless and Ethernet Statistics, Connection Status, Event Log, Remote Syslog Server, Site Survey					
<b>Protocols</b>	TCP/IP, UDP, NAT, STP, DHCP Client/Server/Relay, WDS, VPN Pass-Through, Multiple MAC Bridging					
<b>Quality of Service (QoS)</b>	802.11e WMM					
<b>Security</b>	WEP/WPA/WPA2 (TKIP/AES), MAC Address Filtering (Whitelist/Blacklist), Inter-Station Client Blocking					
<b>Advanced Settings</b>	Radio On/Off, Max Clients, Fragmentation Length, Beacon Interval, RTS/CTS Threshold, DTIM Interval					
<b>Ethernet</b>	1 x Autosense 10/100Base-T (RJ-45)					
Electrical Specifications						
<b>Max Power Consumption</b>	11 Watts					
<b>Power Supply</b>	Power over Ethernet (PoE) – PoE Injector included					
<b>DC Adapter</b>	12VDC/1.25A (100-240VAC~ 50-60Hz, 1.0A), Fixed UL Plug					
<b>Reset Button</b>	Restore factory defaults					
<b>LED Indicators</b>	Power, LAN, Alignment LED's (3)					
Mechanical and Environmental						
<b>Dimensions (radio only)</b>	6.50" x 2.40" x 1.35" (16.5 cm x 6.0 cm x 3.4 cm)					
<b>Dimensions (package)</b>	13.40" x 3.75" x 4.35" (34.0 cm x 9.5 cm x 11.0 cm)					
<b>Weight (package)</b>	1.5 lbs (600 g)					
<b>Installation Hardware</b>	Steel ring clamp for pole-mounting (1), keyholes for wall-mounting (4)					
<b>Environmental Rating</b>	IP65					
<b>Operating Temperature</b>	-20°C to 70°C					
<b>Storage Temperature</b>	-30°C to 80°C					
Compliance and Warranty						
<b>Export Control</b>	HTC 8517.62.0010, ECL 1-5.A.2.A.1					
<b>Compliance &amp; Approvals</b>	RoHS, FCC Part 15 Class B, Industry Canada, CE EN 300 328, EN 301 489-1/17, EN 60950, EN 50385					
<b>Warranty</b>	1-Year Parts and Labor					

<sup>(1)</sup> Internal antenna is selected by default. Tranzeo and the Tranzeo logo are registered trademarks of Tranzeo Wireless Technologies Inc. All other trademarks mentioned herein are the property of their respective owners.