

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

Tranzeo's **TR-500** series of Indoor Tri-Mode units can be configured as AP, PxP Bridge, or CPE. It features high performance radio and advanced networking and management capabilities including NAT Routing, StreamEngine™ QoS, Security, Bandwidth Throttling, and Dual Ethernet ports. The rugged steel chassis is suitable for desktop or wall-mount installations, and features signal strength LED's for optimal unit placement and antenna alignment.

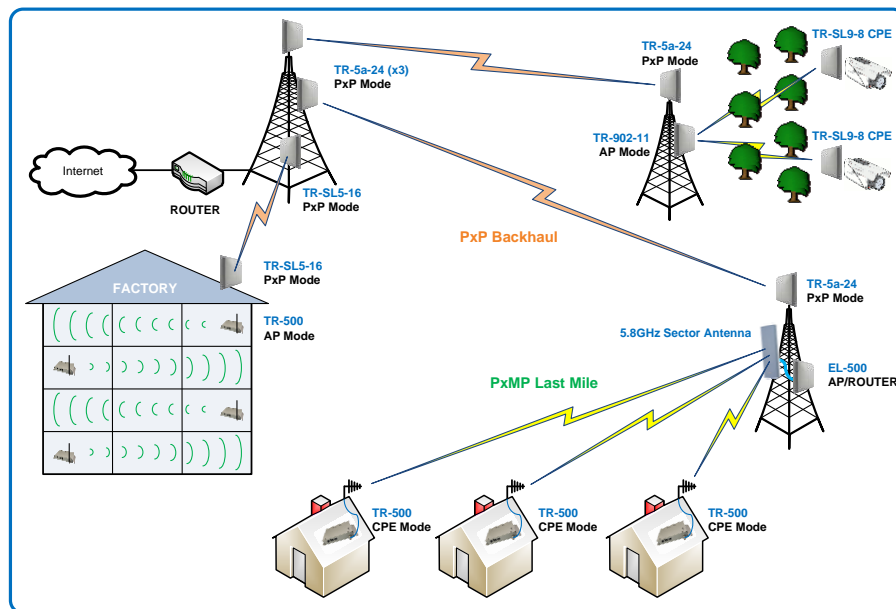
The **TR-500** is also backed by an industry-leading **5-Year Parts and 3-Year Part & Labour Warranty** and **Lifetime Technical Support** for worry-free network operation.

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 **TR-500** is RUS accepted with "Buy American" status, making it qualified for stimulus funding.



## Applications

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



## Key Features

- IEEE 802.11a Compliant
- AP/PxP/CPE Radio Modes
- Up to +13dBm Transmit Power with Adjustable Output
- 7W Solar Friendly Power Draw
- 5/10/20MHz Selectable Channels
- Bandwidth Throttling
- Built-in StreamEngine™ QoS
- WEP/WPA/WPA2 Security
- TCP/IP, UDP, TFTP, SNMP v2c
- NAT, PPPoE, VPN Pass-through
- Wireless Distribution (WDS)
- Dual Ethernet Ports
- Power-over-Ethernet (POE)
- Daylight Visible Alignment LED's
- Web-based Management Tools
- 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 802.11a
Frequency Range	5170 - 5875 MHz
Channel Bandwidths	5MHz, 10MHz, 20MHz
Radio Mode	Access Point (AP), Point-to-Point (P×P), Customer Premise Equipment (CPE)
Transmit Power	+13 dBm (max) with Adjustable Output
Receiver Sensitivity	-73 dBm @ 54 Mbps, -85 dBm @ 6 Mbps
Data Rate & Modulation	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 Alignment LED's
Antenna Connector	RP-TNC
Model No. <sup>(1)</sup>	TR-500f/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), Import/Export/Save Settings Profiles
Protocols	TCP/IP, UDP, NAT Router, DHCP Client/Server, PPPoE, WDS, VPN Pass-Through, Multiple MAC Bridging
Quality of Service (QoS)	StreamEngine™ QoS
Bandwidth Management	Bandwidth Throttling (Bridge and Router Modes)
Security	40/64-bit and 128-bit WEP Encryption, WPA/WPA2 (TKIP/AES/Enterprise), MAC address filtering
Ethernet	2 x 10/100Base-T (RJ-45)
Max DHCP Clients	255
Power Supply	
Power Requirement	7 Watts (max)
Power Supply	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
Mechanical and Environmental	
Dimensions (radio only)	7.75" x 4.25" x 1.5" (19.7cm x 10.8cm x 3.8cm)
Dimensions (package)	8.7" x 8.3" x 2.6" (22cm x 21cm x 6.5cm)
Weight (package)	3 lbs. (2 Kg)
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, CE!, EMC: EN 301 489, Safety: EN 60950, Radio: EN 302 213
Warranty	5-Year Parts / 3-Year Parts and Labour <sup>(2)</sup>

<sup>(1)</sup> f: FCC Model (for use in the USA only), W: World Model (subject to local regulatory requirements) <sup>(2)</sup> 1-Year Parts and Labour warranty for products built before December 1, 2006, and 3-Year Parts and Labour warranty for products built after December 1, 2006 and before December 31, 2007. Specifications are subject to change without notice.