TRANZEO
WIRELESS TECHNOLOGIES INC.

Advanced All-in-One AP/PxP/CPE

Tranzeo's **TR-6000** Series of 2.4GHz Tri-Mode Outdoor units can be configured as AP, PxP Bridge, or CPE. These units feature high performance radios and advanced networking and management capabilities including NAT Routing, StreamEngine™ QoS, Security, Bandwidth Throttling, and Dual Ethernet ports.
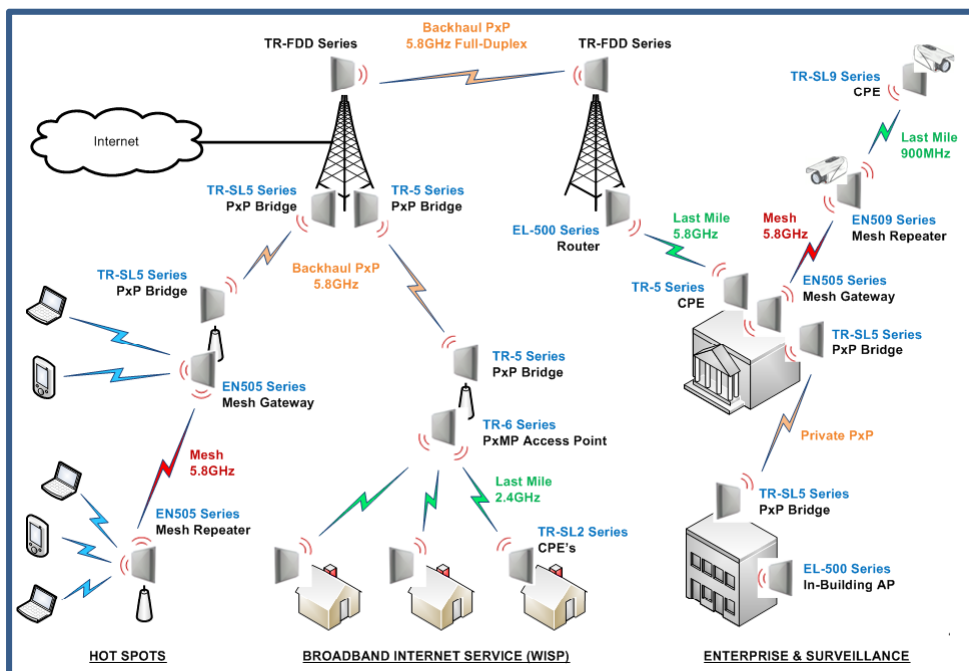
The ruggedized weatherproof all-in-one design meets IP67 and NEMA Type 4X environmental standards, requiring minimum installation and maintenance costs in conditions ranging from -60 °C to +60 °C. The **TR-6000** is also backed up by an industry-leading **5-Year Parts and 3-Year Part & Labour Warranty** 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 **TR-6000** family of products are RUS accepted with "Buy American" status.

Applications

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

Key Features

- IEEE 802.11b/g Compliant
- Up to +23dBm Transmit Power with Adjustable Output
- 5, 10, or 20MHz Channel BW
- 7W Solar Friendly Power Draw
- Bandwidth Throttling
- Built-in StreamEngine™ QoS
- WEP/WPA/WPA2 Security
- NAT, PPPoE, VPN Pass-through
- Dual Ethernet Ports
- Power-over-Ethernet (PoE)
- Daylight Visible Alignment LED's
- 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.

`Technical Specifications

Radio Interface		
Standards	IEEE 802.11b/g [1]	
Frequency Range	2400 – 2483.5 MHz	
Channel Bandwidths	5MHz, 10MHz, 20MHz	
Radio Mode	Access Point (AP), Point-to-Point (PxP), Customer Premise Equipment (CPE)	
Transmit Power	+23 dBm (max) with Adjustable Output	
Receiver Sensitivity	b-mode	-85 dBm @ 11 Mbps, -90 dBm @ 1 Mbps
	g-mode	-72 dBm @ 54 Mbps, -89 dBm @ 6 Mbps
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 Polarization	Horizontal or Vertical	

Antenna Options and Model Information					
Model No. [2]	**Type**	**Wind Load (N)**		**Beamwidth**	
		100 mph	**125 mph**	**Horizontal**	**Vertical**
TR-6000**f/W**	N-Female Connector	105	165	N/A	N/A
TR-6008**f/W**	8 dBi Panel (internal)	105	165	20°	33°
TR-6015**f/W**	15 dBi Panel (internal)	105	165	30°	30°
TR-6019**f/W**	19 dBi Panel (internal)	182	285	15°	16°

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, DHCP Client/Server/Relay, 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 (Water-Tight RJ-45) [3]
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		
	TR-6000 / TR-6015	**TR-6019**
Dimensions (radio only)	10.38" x 8.63" x 3.00" (26.4cm x 21.9cm x 7.6cm)	16.18" x 14.43" x 3.50" (41.1cm x 36.7cm x 8.9cm)
Dimensions (package)	21" x 13" x 4" (54cm x 33cm x 10cm)	28" x 17" x 4" (54cm x 33cm x 10cm)
Weight (package)	4.65 lbs (2 Kg)	9 lbs (4 Kg)
Installation Hardware	Mounting Bracket (1), Kept Nut/Washer (8), U-Bolt with 2 Nuts (1), Ethernet Boot (1)	
Environmental Rating	IP67 and NEMA Type 4X	
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 [4]

[1] g-mode available only in products built after January 10, 2007 [2] **f**: FCC Model (for use in the USA only), **W**: World Model (subject to local regulatory requirements) [3] Dual-Ethernet boot cover kit sold separately [4] 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. StreamEngine is a trademark of Ubicom. Tranzeo and the Tranzeo logo are registered trademarks of Tranzeo Wireless Technologies Inc.