TRANZEO
WIRELESS TECHNOLOGIES INC.
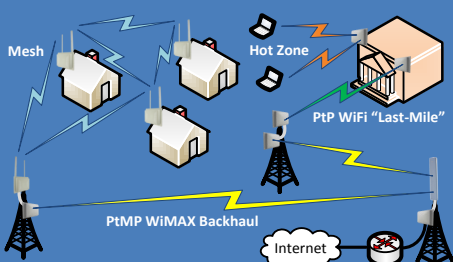
Communicate Without Boundaries

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, distributors, and customers worldwide. Tranzeo's full spectrum of point-to-point and point-to-multipoint radios, WiMAX equipment, and mesh network solutions are designed for wireless internet service providers, governments, campuses, military, carriers, enterprise, and systems integrators.

What Is WiMAX?

WiMAX is designed for "last mile" point to multi-point solutions. Like WiFi, it can support multi-megabit throughput. However, WiMAX has an inherent Quality of Service protocol and is designed to operate over longer distances compared to WiFi. WiMAX can operate in the unlicensed 5.1-5.8GHz spectrum similar to WiFi, but it can also operate in the 3.3-3.8GHz licensed spectrum. The 3GHz licensed spectrum allows for higher data rates and can transmit over longer distances since there is no interference from competing services.
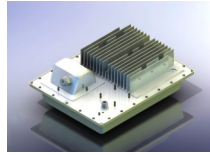
Why Tranzeo?

Tranzeo offers a complete family of 802.16d (802.16-2004) WiMAX products for 3.5GHz, 3.65GHz, and 5.8GHz spectrums including indoor and outdoor Subscriber Units and Pico Base Stations. As well, we offer a comprehensive line of 900MHz, 2.4GHz, 4.9GHz, and 5.8GHz of 802.11a/b/g/n standards-based WiFi products including Routing Access Points, CPE's, Full-Duplex PtP, and advanced Mesh Routers for complete turnkey solutions.

Mesh
Hot Zone
PtP WiFi "Last-Mile"
PtMP WiMAX Backhaul
Internet

3.5GHz, 3.65GHz, 5.8GHz
WiMAX Pico Base Stations & Subscriber Units

The **TR-WMX** series of outdoor Pico Base Stations and indoor and outdoor Subscriber Units deployed with the AirSync™ Network Management System provide the most cost-effective turn-key **802.11d** compliant WiMAX solutions for delivering carrier-class broadband wireless access for municipal, public safety, energy, transportation, and enterprise network operators and carriers, worldwide. These advanced pico base stations feature high performance radios and on-board **GPS** receiver for synchronization with other pico base station for highly efficient spectrum utilization. The subscriber units are based on a WiMAX Forum Certified design and have completed interoperability testing with some of the major base station suppliers.

5.8GHz Full-Duplex Backhaul

The high performance Dual-Radio **TR-FDD** series utilizes two radios, allowing data to flow in both directions at the same time with significantly less delay. Interchangeable channel filters and enhanced radio filtering allow the radios to only listen to the desired channels, providing at least 65dB of adjacent channel rejection for improved performance in locations with multiple radios. The **TR-FDD-GT** series feature amplified radios with up to +26dBm output power for more demanding applications. The full-duplex nature of these radios make them ideal for building-to-building connectivity, and Voice and Video backhaul.

900MHz, 2.4GHz, 4.9GHz, 5.8GHz
Wireless Mesh Routers, Access Points & Gateways

NEW

Specifically designed for outdoor applications, the **EnRoute** Series includes the **EN404**, **EN505**, **EN509,** and the newly released **EN524-15** and **EN558-16** wireless mesh routers, access points, and gateways. The dual-radio system serves as a WiFi access point with a dedicated 802.11a/b/g radio, a mesh repeater and router with a 2nd 802.11a/b/g mesh-enabled radio, and as a gateway to an Internet point-of-presence (POP) via the Ethernet interface. Employing Tranzeo's patented **WirelessFabric™** self-forming and self-healing mesh protocol, the dual-radio system allows separation of the user access in the crowded 2.4GHz band from the mesh backhaul operation at 4.9GHz, 5.8GHz, or 900MHz resulting in extremely reliable networks with high throughput.

900MHz, 2.4GHz, 4.9GHz, 5.8GHz
Outdoor Wireless Routers and Access Points

The **EL-400**, **EL-500**, and **EL-900** family of outdoor products are Tranzeo's 7th generation enterprise-level wireless routers and access points, which are Linux-based and use the powerful **AMCC PowerPC** platform. The **EL** family of products feature a high performance radio and advanced networking and management capabilities including Router and Bridge Modes, VLAN switching, multiple ESSID's, DHCP Server, QoS, Security, Bandwidth Management, and VPN Pass-through.

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All-In-One Devices

- Integrated panel antenna, pole-mounting hardware, and PoE for low cost of ownership.
- Daylight-visible antenna alignment LED's.
- Rugged & weatherproof design for conditions ranging from -65 ^{o}C to +65 ^{o}C.
- IP67 and NEMA Type 4X compliant design.
- Power-over-Ethernet (PoE) for running data and power using a single CAT5 cable for quick and easy installations.
- PoE Injector and DC adapter with built-in surge protection for worry-free operation.
- Dual-Ethernet ports for daisy-chaining radios or other PoE devices such as cameras.

Industry Leading Warranty and Technical Support

- 3 Year Parts & Labor on all WiFi radios.
- 3 Year Parts and Labor on WiMAX Subscriber Units, and 1-Year Parts and Labor on WiMAX Pico Base Stations.
- Lifetime technical support via Telephone, Email, and Live Chat.

Vertical Markets

- PtP and PtMP wireless backhaul or last-mile solutions for Telecom and Cable companies.
- Inter-building connectivity or wireless hot zones for Schools and University Campuses.
- Wireless hot zones for Campgrounds, Resorts, Marinas, and Truck stops.
- Rapid deployment for special events for video streaming, security, and hot zones.
- Inter-branch and warehouse connectivity for enterprise customers.
- Low cost enterprise networks in old buildings, warehouses, factories, and mines.
- Internet service for multi-tenant housing.
- Wireless Community Broadband for Internet access and policing.
- Public Safety, Emergency Response, and Environmental Monitoring.
- Rapid deployment for disaster response for VoIP, video conferencing, and surveillance.
- Street lighting control, traffic monitoring and advisory, and remote data acquisition.

900MH, 2.4GHz, 4.9GHz, 5.8GHz

Outdoor and Indoor Access Points/PxP/CPE

The **TR-902, TR-6000, TR-49, TR-5**, and **TR-SL5** family of outdoor units, and **TR-490**, **TR-500**, and **TR-600** family of indoor units feature a versatile Tri-Mode design that allows these units to be configured as an Access Point (AP), a Point-to-Point Bridge (PxP), or as a Customer Premise Equipment (CPE). All of these products series, except the **TR-SL5**, are equipped with **Dual-Ethernet** ports for daisy-chaining multiple radios or other PoE devices. These units also feature high performance radios with up to +26dBm output power and advanced networking and management capabilities including NAT Routing, StreamEngine^{TM} QoS, Security, Bandwidth Throttling, PoE, and VPN Pass-through.

900MH, 2.4GHz, 5.8GHz

Outdoor Customer Premise Equipment (CPE)

The **TR-CPQ**, **TR-SL2**, **TR-SL5**, and **TR-SL9** family of CPE devices feature streamlined All-in-One design with integrated panel antenna, pole-mounting hardware, and Power-over-Ethernet (PoE) for the *lowest cost of ownership*. These units also feature high performance radios with output power control and advanced networking and management capabilities including NAT Routing, StreamEngine^{TM} QoS, WEP/WPA/WPA2 Security, Bandwidth Throttling, PPPoE, and VPN-Pass-through. The **TR-SL5** series of products have been recently improved to support Tri-Mode operation (AP, PxP, or CPE), and are now suitable for less demanding and very cost-sensitive AP and PxP deployments.

2.4GHz 802.11n Access Point/PxP/CPE

NEW

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 **150Mbps**. The versatile multi-mode design supports AP, CPE, and WDS modes, and features advanced networking and management capabilities including WEP/WPA/WPA2 security, WMM QoS, and NAT Routing. The compact All-in-One design incorporates an integrated **8dBi** panel antenna and a high performance radio with up to **+26dBm** output power. An external **N-Type** antenna connector is also available for more demanding applications.

5.8GHz 802.11n 2x2 MIMO Access Point/PxP/CPE

NEW

Tranzeo's new value MX55 Series of 802.11a/n compliant 5.8GHz Wireless LAN products feature **2x2 MIMO** antennas, and data rates of up to **300Mbps**. These versatile and cost-effective units can be configured as Access Point, CPE, and WDS. The MX55 series boasts a high performance radio with up to 26dBm total output power, and advanced networking and management capabilities including NAT Routing, DHCP Server, DHCP Relay, WMM QoS, WEP/WPA/WPA2 Security, Bandwidth Control, up to 4 Virtual Access Points (with multiple ESSID's), and VLAN tagging/untagging/Pass-Through as well as Management VLAN.

Tranzeo Wireless Technologies Inc.

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