



TR-WMX-35-pBS deployed with Tranzeo's family of subscriber units is the most cost-effective WiMAX solution for delivering broadband wireless applications in outdoor environments. Tranzeo offers a turn-key solution for last-mile communication encompassing 3.5GHz licensed-band systems and 5.8GHz unlicensed-band systems comprising a low-cost pico Base Station, subscriber units, and an intuitive Element Management System.

All Tranzeo products are manufactured at Tranzeo's state-of-the-art manufacturing facility in British Columbia, Canada resulting in the lowest price with the highest quality. The ease of installation of the complete system ensures low installation costs by personnel with little or no training.

Tranzeo is your one-stop source for all of WiMAX requirements.



## Features

### COMPREHENSIVE WiMAX PRODUCT FAMILY

- Full spectrum of pico Base Stations and subscriber units products for indoor and outdoor installation delivering residential and enterprise applications

### STANDARDS BASED

- Adheres to the IEEE 802.16-2004 standard
- Based on the Wavesat family of products

### FUTURE PROOF

- Advanced Element Management System
- Remote upgrade and software management
- Airsync™-ready. An advanced autonomous QoS and real-time provisioning solution from Proximetry

### LOW COST DESIGN AND THE HIGHEST QUALITY

- The ideal network topology for incremental build-outs, and guaranteed high-bandwidth applications
- Backed by a one year warranty

### EASE OF INSTALLATION

- Designed for customer installation



# Specifications

<b>RADIO</b>	
System Capatability	LOS, NLOS Point-to-Multipoint Cellular Architecture
RF Band	3.4 to 3.6 GHz
Channel Bandwidth	3.5 MHz, 7MHz
Frequency Resolution	250 kHz steps
Receiver Sensitivity	-95 dBm (BPSK1/2) -79dBm (64 QAM 2/3)
Modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Radio Access Method	TDD
RF Output Power	+20 dBm
RF Output Dynamic Range	30 dB
Typical Tx Constellation Error at maximum power	-31.5dB
Antenna	Selection of antennas from 14-20dBi / Omni and Sector
<b>DATA COMMUNICATIONS</b>	
RF	IEEE 802.16-2004
Data	IEEE 802.3 CSMA/CD
VLAN support	IEEE 802.1Q
Error Coding	Concatenated Reed-Solomon Convolution Code
<b>MULTI-SERVICE / MULTI-USER SUPPORT</b>	
Traffic Classification	ToS, Protocol, Address, Source Port, MAC Address, User Priority, VLAN ID
VLAN	Address, Mask, MAC Address, ToS type, Port, Rule Priority
<b>QoS—SCHEDULING</b>	
BE, nrTPS, rTPS, UGS	
<b>MANAGEMENT</b>	
Airsync™ Element Management System Protocol	Remote Monitoring, management, and provisioning TCP/IP
Airsync™ OSS—Upgradeable	Autonomous rules-based QoS
<b>HARDWARE SPECIFICATIONS</b>	
Ethernet	10/100 base-T (water tight RJ-45)
Power supply	Power over Ethernet (POE)
Power	15 W maximum
Dimensions 13 1/4	13 ¼" X 10 ¼" X 5 ½" (33.7cm X 26cm X 14cm)
Weight	6.4 lbs (2.9kg)
<b>ENVIRONMENTAL SPECIFICATIONS</b>	
Operating Temperature	-35C to +50C
Weather rating	IP67 weathertight
<b>APPROVALS</b>	
CE/Industry Canada, EMC: EN 301 489, Safety: EN 60950, Radio: EN 302 217, RoHS	
<b>WARRANTY</b>	
	1 year parts and labor

Specifications are subject to change without notice  
Rev 1.1

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 and devoted worldwide following of more than 2,465 dealers and 15 distributors. 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 customers, and systems integrators around the globe.

