

## 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

TR-WMX-5.8-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, centrally managed 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.



# Specifications

|  |  |
|--|--|
| <b>RADIO</b>   |  |
| System Capatability  | LOS, NLOS Point-to-Multipoint Cellular Architecture  |
| RF Band  | 5.725 to 5.875 GHz   |
| Channel Bandwidth  | 10 MHz   |
| Frequency Resolution                                       | 5 MHz steps  |
| Receiver Sensitivity                                       | -89 dBm (BPSK1/2) -72dBm (64 QAM 2/3)  |
| Modulation   | OFDM (BPSK, QPSK, 16-QAM, 64-QAM)  |
| Radio Access Method  | TDD  |
| RF Output Power  | +17 dBm  |
| RF Output Dynamic Range                                    | 30 dB  |
| Typical Tx Constellation Error at maximum power            | -30dB  |
| Antenna  | Selection of Omni and Sector Antennas  |
| <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,rTPS  |  |
| <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" X 10 <sup>1</sup> / <sub>8</sub> " X 2.1 <sup>1</sup> / <sub>2</sub> " (33cm X 25.7cm X 6.4cm) |
| Weight   | 10 lbs (4.5kg)   |
| <b>ENVIRONMENTAL SPECIFICATIONS</b>                        |  |
| Operating Temperature                                      | -35C to +50C   |
| Weather rating   | IP67 weathertight  |
| <b>APPROVALS</b>   |  |
| FCC CFR 47 Part 15, Class B , ETSI 302 502, RoHS Compliant |  |
| <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.

