



M2400S Series™

2.4 GHz

Broadband Wireless System



The M2400S Series point-to-multipoint wireless broadband platform offers service providers and network operators the added flexibility of operation in the 2.4 GHz ISM spectrum. The system provides up to 5 Mbps to the subscriber and a range of 15 miles.

Product Highlights

- **SPEED**

The M2400S is one of the fastest 2.4 GHz long-range outdoor wireless broadband platforms on the market and delivers up to 5 Mbps to the subscriber. The system provides automatic rate shifting (to 2.5 Mbps) to accommodate the operation of wireless links in less than ideal signal strength conditions. System operators can turn off the auto-rate shift feature to fix the radios at either the higher or lower bit rates.

- **RANGE**

The M2400S utilizes direct sequence spread spectrum for excellent range. Utilizing the standard internal antennas, the M2400S provides a range of 6 miles line-of-sight (LOS) with 10 dB fade margin to spare. Range can be increased to 15 miles by attaching an optional antenna to the subscriber unit (SU).

- **CHANNEL FLEXIBILITY**

The M2400S is configured with eight channels combined with software switchable dual polarized antennas for frequency agility. Users can redefine channels by selecting frequencies in single MHz increments. The SU will scan all channels until it associates with a properly configured access point (AP). This allows redundancy of APs as well as a simple and quick method to switch channels on an entire sector.

- **SMARTPOLLING™**

The M2400S AP utilizes Trango's patent pending SmartPolling algorithm to dynamically and adaptively poll SUs, ensuring the lowest latency for busy subscribers.

- **INTERFERENCE MITIGATION**

The M2400S offers several powerful interference mitigation tools such as receive threshold control and automatic SU power leveling.

- **ACCESS POINT VERSATILITY & UTILITY**

M2400S AP offers integrated antenna/radio/power-over-ethernet (PoE) design, ideal for tower or pole installation. Operators can utilize the internal antenna or attach an external connectorized sector or omni antenna.

- **COMPACT SUBSCRIBER UNIT DESIGN**

The M2400S SU is designed in the compact TrangoFOX™ style with an integrated dual-polarized antenna. These fully weatherized outdoor units offer a small footprint and feature a built-in LED alignment tool, PoE, and a universal mounting bracket to minimize deployment costs.

- **SECURITY AND AUTHENTICATION**

The M2400S offers MAC-level authentication coupled with over-the-air data scrambling for secure operation.

- **MANAGEMENT FEATURES**

The M2400S offers remote and local management via Telnet, SNMP and HTTP via browser. Powerful tools such as site survey and upstream/downstream CIR/MIR controls allow operators total control and flexibility in managing their network.

