

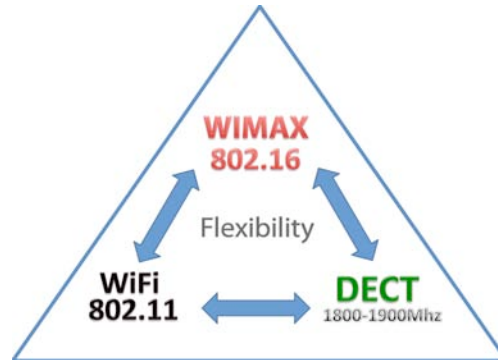


TMAX™ 5000 Modular Broadband High Speed Wireless Router for Public Safety

Trimax is making wireless do more...

Trimax solutions deliver ubiquitous, high capacity data, video and voice services, covering the entire range of license free ISM and licensed microwave frequencies. Trimax provides a unique combination of WiFi, WiMAX and DECT based on existing and emerging protocol and standards. Our modular and scalable solutions are used to build voice, video and data broadband wireless networks which are very powerful, efficient and cost effective.

Trimax's integrated solutions are built for carriers, network providers, corporations, government and military entities worldwide. Built to military standards, Trimax Wireless exceeds commercial norms in performance and durability. All products are resilient, require minimum maintenance and offer robust, reliable, and long-lasting network solutions for multiple applications and services.



Trimax Wireless networks deliver ubiquitous, high capacity data, voice and video services, covering the entire range of license free ISM and licensed spectrum. Trimax provides a unique combination of WiFi, WiMax and DECT solution on any single platform. Our modular and scalable product line provides high performance, efficient, broadband wireless networks with lowest OPEX and CAPEX in the industry.

The TMAX™ Series is a multi service wireless platform that provides "Carrier Class Performance". With up to three module radios the TMAX 5000 can provide WiFi, WiMAX, VoIP, Public Safety and Cellular backhaul applications. In addition to wireless access, Hotspot functionality, network repeating and networking functionality, up to two additional internal DECT (Digital Enhanced Cordless Telecommunications) modules provide seamless DECT coverage. The TMAX 5000 Router is designed for network operators looking to deploy state of the art systems that provide the highest level of security flexibility and performance, while supporting carrier class QoS, bandwidth shaping providing VoIP, Video and other latency critical network data. By using a comprehensive set of IP services, the TMAX 5000 supports Bandwidth Management, Traffic Shaping, IP Routing, VPN and Encryption Services for each individual radio card, in a single unit.

The TMAX 5000 provides outstanding RF performance in the entire range of licensed and licensed free spectrum. Additionally, a wide range of antennas is available to provide optimum coverage.



TMAX™ 5000 Series Modular Public Safety Router

The TMAX 5000 is ideally suited for multi-service, mission critical network applications such as backhauling service provider networks, public safety, providing hot spots, fiber optic extension, campus environments, video surveillance systems and many others. The flexibility to address multiple network functions with a single mounted unit dramatically reduces deployment, infrastructure and maintenance cost.

Voice and Data Applications

The ability to add DECT to its modular platform allows for the delivery of voice. The DECT standard operates crystal clear and is immune to interference from WiFi. Utilizing intelligent traffic shaping rules Trimax solutions provide flawless transmission of voice and streaming video. Traffic shaping can guarantee a particular Quality of Service (often measured in jitter, packet loss, and latency) for an application or a user while still allowing other traffic to use all remaining bandwidth.





TMAX™ 5000 Series High Speed Wireless Router

TMAX™ Family

6000 Series
5000 Series
4000 Series
3000 Series
2000 Series
1000 Series
CPE's

About Trimax:

Trimax Wireless, Inc. is a leading edge designer, developer and manufacturer of Broadband Wireless equipment and other innovative technologies. With the TMAX family of products, the company currently manufactures and distributes advanced wireless integrated solutions used to build voice, streaming video and data broadband wireless networks.

By combining WiMAX, WiFi and DECT (cordless phones) in one single base station, Trimax customers can leverage the best of each technology, and set up the optimal combination of services for their specific target markets. The reliability and flexibility of Trimax products are truly outstanding. Built to military standards, fully ruggedized, and very powerful, the TMAX Product Series have arrived as true industry leading products that provide the optimal choice for operators seeking high quality, cost savings, a rapid deployment, and a reliable, competitive network.

TMAX Features Set

Modular design
Up to 4 Radio Modules
Integrated High-Gain Backhaul Antenna
Licensed and Unlicensed Spectrum
Dual Ethernet interfaces
Mesh, PtP, PtMP
Wi-Fi, WiMAX, DECT
802.11a/b/g, 802.16e,
Field upgradable

Networking

Layer 2 Bridging
Layer 3 Routing
IP Routing
PPPoE, PPTP, L2Tp, IPSec, QoS
Traffic shaping jitter, packet loss and latency
VLAN tagging/switching
Switching/Routing protocols RIP, RSTP, Spanning Tree

Hot Zone Capabilities

DNS capabilities
NAT
DCHP Server/Relay/Client
Firewall-NAT
Walled Garden capabilities
User Authentication
Custom splash page

Network Management

Topology real Time
Traffic monitoring real Time
HTTP/HTTPS
SNMP version
Ping and trace route utilities
Radius authentication
Auto Configuration
Auto Discovery
Firmware update
Database backup and restore
Rogue AP detection
NTP,SSH

802.1Q

VLAN 802.1Q support

QoS-Bandwidth Management

Committed Information Rate-CIR
Peak Information Rate-PIR
Committed Burst Size-CBS
Excess Burst Rate-EBS

Security

WPA, WPA2, AES-CCM, TKIP
801.1x, WEP 64/128 bit
AES128, AES256, 3DES (VPN)

Modulation

QPSK, 16 QAM, 64 QAM, BPSK, GFSK

Frequencies Supported

700Mhz, 900Mhz, 2.4Ghz. 5.8Ghz. and 4.9Ghz public safety

Physical Characteristics

Dimensions 18cmh x 20cmw x 7cmd

Radio Module Options

TM7 700 MHz – 800 MHz
TM9 902 MHz – 926 MHz
TM2 2.3 GHz – 2.7 GHz
TM3 3.3 GHz – 3.8 GHz
TM5 4.9 GHz – 6.1 GHz
TM-IPDECT 1880 MHz – 1930 MHz

Radio Module Features

Transmit Power/Rate adjustment
WMM-wireless QoS
WDS
Multiple SSID
DFS/TPC support
Country code selection
Built-in site survey monitoring
Real time client association

Power Requirements

Input PoE 12-48 Volts
Output POE 12-48 Volts

Environmental

Operating Temperature -40 to +85 C

trimax
wireless



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