



Mimo Plus

TW MIMO + N

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| <p>TRIWAY MIMO /BTS</p> <p>Radio Bridge & Router Triway MIMO BTS balances enterprise-scale security, management and Quality of Service features with high performance.</p> <p>Features Benefits The Triway MIMO BTS Radio Bridge & Router is a any Point to Multipoint and Multipoint-to ultpoint OFDM Radio Bridge Equipment for High Bandwidth connectivity in 2GHz and 5GHz bands. It has a range of up to 100kms with the possibilities of other nterfaces like E1/E2 in addition to Ethernet.</p> <p>Built-in Router Specifications: Basic Network Platform TCP/IP protocol suite</p> <p>Firewall and NAT Packet filtering, source and destination NAT, source MAC addresses, ports, protocols, protocol options, interfaces.</p> <p>Routing RIP 1 / 2, OSPF v2, OLSRD, BGP v4, equal cost multi-path routing, Policy based routing, firewall marked packet routing</p> <p>Bridging Spanning tree protocol, multiple bridge interfaces, bridge, firewall</p> <p>Bandwidth Management Per IP / protocol / subnet / port, CBQ, RED, SFQ, byte limited queue, packet limited queue L2 MESH (option available)</p> | <p>Models: MIMO 2 : 2.192-2.499 MIMO 5 : 4.9-6.1</p> <p>NTP Network Time Protocol server and client</p> <p>QOS Full Scale QOS with traffic shaping and user friendly Presets.</p> <p>DNS client/Server Name resolving for local use, Dynamic DNS Client</p> <p>Monitoring/Accounting IP traffic accounting, firewall actions logging</p> <p>SNMPV2 read only access Administration</p> <p>General History, undo / redo /display, multiple administrator connections real time updates in GUI, real time Configuration</p> <p>Web/GUI Uses HTTP/ HTTPS for remote administration, graphing of traffic, statistics, and resource monitoring multiple internal configuration windows Terminal Console standard keyboard and monitor connection, scripting import /export of configuration scripts to screen / file command history, hierarchical command structure monitoring of interface status and traffic, context specific hints.</p> |
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| Tunnels <i>PPTP, EoIP (Ethernet over IP)</i> OPEN VPN support for super secrecy <i>Multicasting support</i> <i>VLAN, Virtual LAN support</i> downloading scripts, Hot Spot authorization. | | Telnet/ SSH All terminal console features, SSH option, cut/paste of configuration FTP For uploading upgrade packages, uploading and downloading scripts, Hot Spot authorization Upgrading Remote Firmware Upgrade | |
| Wireless <i>Burst Synchronization</i> Yes with Triway Cell Site Syncro (CSS) <i>Media access</i> TDMA / FDD <i>Radio Operation</i> 2.4Ghz (MIMO 2) 5.8Ghz (MIMO 5) <i>Channel Width</i> 40Mhz, 20Mhz, 10Mhz, <i>Receiver Sensitivity</i> Up to -96dBm <i>Processing Gain</i> > 10 dB <i>Antenna</i> Sector <i>Option of Additional Ethernet</i> Yes <i>10/100/1000 Interface</i> <i>RF Modulation Scheme</i> QAM64, QAM16, QPSK, BPSK, CCK (OFDM, DSSS) <i>Duplex Format</i> TDD, FDD <i>Certification</i> FCC,ISO 9001-2000 <i>Range</i> Up to 150Km* <i>Output Power</i> Super power MIMO, up to 28dBm <i>Software controllable</i> Yes (Steps of 1 dB) <i>Extended Range (XR)</i> Best in the industry (-) 105dBm <i>Watch Dog Timer</i> Software/Hardware/Temp. | | Security <i>Security</i> 256 bit AES, WPA and WPA2 encryption, Security, VPN and firewall <i>Data Security Password</i> network attachment password protected Network <i>Network Connection</i> 10/100/1000* Base T (optional) RJ Female Ethernet Connection <i>Bridge Functionality</i> Intelligent Local Packet Filtering Node by node user configurable data rates (CIR and MBR) <i>Network Topologies</i> Any point-to Multipoint Multipoint-to Multipoint <i>Repeater Mode</i> Built-in Mode <i>RF Collision Management</i> Combined TDD and FEC Physical <i>Power Adapter Requirement</i> 110 VAC or 220 VAC , 7V - 18V DC <i>Power Consumption</i> Less than 20W (fully loaded) <i>Height x Width x Depth</i> 7" x 11" x 5" <i>Weight</i> 3Kg <i>Operational Temperature</i> (-)40C to (+)80C <i>Humidity</i> Humidity 0-95% non condensing, Outdoor weatherproof enclosure | |

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| <i>QOS/COS/GOS</i> | Yes | <i>Remote Management</i> | HTTP, HTTPS ,Telnet, SSH |
| <i>Bandwidth Management Router</i> | Yes | <i>Monitor/Control</i> | Through Ethernet port using HTTP/HTTPS/Telnet |
| <i>packet Format</i> | IEEE 802.3 and Ethernet I | <i>SNMP Management Port Functionality</i> | V2c Full configuration/management from any station through a command line |
| | | <i>Software Management</i> | Firmware updates downloaded over RF |

| <i>MCS Index</i> | <i>Spatial Stream</i> | <i>Modulation Type</i> | <i>Coding Rate</i> | <i>Data Rate Mbps</i> | | | |
|------------------|-----------------------|------------------------|--------------------|-----------------------|-----------------|-----------------------|-----------------|
| | | | | <i>20 MHz channel</i> | | <i>40 MHz channel</i> | |
| | | | | <i>800ns GI</i> | <i>400ns GI</i> | <i>800ns GI</i> | <i>400ns GI</i> |
| 0 | 1 | BPSK | 1/2 | 6.50 | 7.20 | 13.50 | 15.00 |
| 1 | 1 | QPSK | 1/2 | 13.00 | 14.40 | 27.00 | 30.00 |
| 2 | 1 | QPSK | 3/4 | 19.50 | 21.70 | 40.50 | 45.00 |
| 3 | 1 | 16-QAM | 1/2 | 26.00 | 28.90 | 54.00 | 60.00 |
| 4 | 1 | 16-QAM | 3/4 | 39.00 | 43.30 | 81.00 | 90.00 |
| 5 | 1 | 64-QAM | 2/3 | 52.00 | 57.80 | 108.00 | 120.00 |
| 6 | 1 | 64-QAM | 3/4 | 58.50 | 65.00 | 121.50 | 135.00 |
| 7 | 1 | 64-QAM | 5/6 | 65.00 | 72.20 | 135.00 | 150.00 |
| 8 | 2 | BPSK | 1/2 | 13.00 | 14.40 | 27.00 | 30.00 |
| 9 | 2 | QPSK | 1/2 | 26.00 | 28.90 | 54.00 | 60.00 |
| 10 | 2 | QPSK | 3/4 | 39.00 | 43.30 | 81.00 | 90.00 |
| 11 | 2 | 16-QAM | 1/2 | 52.00 | 57.80 | 108.00 | 120.00 |
| 12 | 2 | 16-QAM | 3/4 | 78.00 | 86.70 | 162.00 | 180.00 |
| 13 | 2 | 64-QAM | 2/3 | 104.00 | 115.60 | 216.00 | 240.00 |
| 14 | 2 | 64-QAM | 3/4 | 117.00 | 130.00 | 243.00 | 270.00 |
| 15 | 2 | 64-QAM | 5/6 | 130.00 | 144.40 | 270.00 | 300.00 |

| Ordering Info | |
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| TW MIMO N2 | 1x1 MIMO Radio – 2.4 Ghz |
| TW MIMO N5 | 1X1 MIMO Radio – 5.8 Ghz |
| TW MIMO PLUS N2 | 2x2 MIMO Radio – 2.4 Ghz |
| TW MIMO PLUS N5 | 2x2 MIMO Radio – 5.8 Ghz |
| TW MIMO DUAL PORT N5 | 2x2 MIMO Dual Port Radio – 5.8 Ghz |