

MIMO 300Mbps 5 GHz OFDM Broadband Ethernet Bridge

The MIMO5800-ANT is a 300Mbps Broadband Ethernet Bridge. As industry demands greater speed and throughput, the MIMO Series brings long-range wireless network communications to a new performance level. For fast and easy deployment the MIMO5800 is mounted in a weather resistant 2 x 25dBi panel antenna enclosure.

Applications

- High-speed Backbone
- IP Video surveillance
- Voice over IP (VoIP)
- Ethernet Wireless Extension
- Legacy Network/Device Migration
- SCADA
- Facilitating Internetwork wireless communications



Features

- Up to 300Mbps data rate
- Power Over Ethernet (POE)
- Weather Resistant Enclosure
- 25dBi dual Polarity Integrated Antenna
- High Power
- Low Packet Latency
- Authenticator and supplicant
- RADIUS server authentication
- Remote administration
- Firewall and VPN
- Wireless firmware upgrade capable
- Multi Data Rate Support:
54, 48, 36, 24, 18, 12, 11, 5.5, 2, 1Mbps,
MCS0,1,2,3,4,5,6,7,8,9,10,11,12,13,14,15

RSSI and CFG Button



MIMO5800-ANT

Specifications



Frequency	5.150 ~ 5.850 GHz	Network Advanced Protocols	IP Routing - static Routing, RIP v1/v2, NAT and Port Forwarding (Routing mode only)
Radio Operation	IEEE 802.11a/n		PPPoE Client (Routing mode only) PPTP for VPNs Network 802.1d Spanning Tree Protocol
Spread Method	OFDM/QPSK/16QAM/64QAM		SNMP support
Link Rate	Up to 300Mbps		DHCP Server, Relay, and Client / DHCP Server Reservation
Error Detection	ARQ		Bandwidth Control 802.1Q Tag and Untag VLAN / VLAN Pass-through Proprietary Long Distance Algorithm for ACK and CTS timeout adjustment support
Encryption	64/128-bit WEP/WPA, WPA2 (56 Bit encryption and higher requires Export Permit for outside Canada & USA)		Firewall and Packet/URL Filtering (Routing mode only) Multicast Routing support
Range	Up to 30 miles (60 km)		
Sensitivity (excluding ANT GAIN)	802.11a: -96dBm @6Mbps -79dBm @54Mbps 802.11an HT20: -95dBm @MCS0, -74dBm @MCS1 802.11an HT40: -92dBm @MCS0, -74dBm @MCS1	ANTENNA GAIN	Gain 25 dBi 11 Deg (H-Plane) 11 Deg (V-Plane) Polarization Dual Polarization
Output Power	(Adjustable RF Output Power), up to 50dBm at EIR	Input Voltage	12-30VDC (POE)
Ports LAN Ethernet	10/100Base-T IEEE802.3	Diagnostics	Remote Diagnostics, Monitor Utilities (Ping, ARP table, Bridge Table, DHCP active leases, CCQ)
Operating Modes	Access Point, Station, Repeater, Adhoc, Mesh	Connectors Ethernet	RJ-45
Management	Telnet, WebUI, SNMP, FTP Upgrade, RADIUS authentication	Environmental	-40°F to 185°F (-40°C to +85°C) 5-95% humidity, non-condensing
		Weight	Approx. 4.5kg
		Dimensions	Approx. 371mm x 371mm x 100mm
		Approvals	FCC Part 15.247 IC RSS210

Contact Information

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