

MS5800ZX

54Mbps 802.11a Wireless Outdoor Bridge

The MS5800ZX Series Wireless Bridge enables high-speed outdoor links between buildings and is ideal for installations subject to harsh environments. Operating in the 5.725GHz~5.825 GHz bands, MS5800ZX delivers comprehensive Broadband Wireless Access connectivity solutions for Carriers, ISPs and vertical markets. Using OFDM modulation technology with which support the data rates up to 54Mbps, MS5800ZX gives operators the very capabilities to deliver data-intensive service of Data, Voice and even Video for SME customers and large enterprises. Designed to connect two or more networks, MS5800ZX Wireless Bridge delivers high data rates and superior throughput for data-intensive, line-of-sight applications. The bridges connect hard-to-wire sites, remote offices, school or corporate campus settings, and temporary networks. They can be configured for point-to-point or point-to-multipoint applications and allow multiple sites to share a single, high-speed connection to the Internet.



- High-speed (54Mbps)
- Enhanced WEP Encryption
- OFDM Modulation
- Bandwidth allocation management
- Power supply over PoE
- Infrared Remote Handhold device simplified for installation and debugging
- Supports both point-to-point and point-to-multipoint configurations
- Long range of supported antennas
- A metal clothing for durability and harsh environments
- Optional for build-in booster and lightning arrester

Specifications

| Model | MS5800ZX | MS5800ZXM |
|-------------------------------------|--|---------------------------------|
| Description | Wireless Bridge (Remote Point) | Wireless Bridge (Central Point) |
| Point to Point | Yes | Yes |
| Point to multi-points | No | Yes |
| Data Rates supported | 6, 9, 12, 18, 24, 36, 48, 54Mbps | |
| Repeater Function | No | Yes |
| Bridge Mode | Yes | Yes |
| Standards | IEEE 802.11a , IEEE 802.3(10/100-BaseTX) | |
| Bandwidth Management | No | Yes |
| Protocol Supported | TCP/IP/IPX/NETBEUI | |
| Management | | |
| Web-based management | Yes | Yes |
| Telnet | Yes | Yes |
| Signal Strength | Yes | Yes |
| Security | | |
| Access Control (MAC Address Filter) | Yes | Yes |
| WEP Encryption | 64/ 128/ 152bits | |
| Hardware | | |
| LAN/ WAN | One 10/100-Base TX RJ-45 LAN port | |
| LED | Power, LAN | |
| Power Supply | DC 24V (PoE) | |
| Power Consumption | 3.5A/5V | |
| Radio | | |
| Frequency Band | <u>America/ FCC:</u> 5.15~5.25GHz: 4 Channels 5.25~5.35GHz: 4 Channels 5.725~5.825GHz: 4 Channels <u>Japan/ARIB:</u> 5.15~5.25GHz: 4 Channels | |
| Modulation | 6/9 Mbps: BPSK OFDM 12/18 Mbps: QPSK OFDM 24/36 Mbps: QAM-16 OFDM 48/54 Mbps: QAM-64 OFDM | |
| RF output power | FCC @ 5.15~5.35GHz 54Mbps: 13.5dBm (22.4mW) 48Mbps: 14.0dBm (25.1mW) FCC @ 5.15~5.25GHz | |

| | | |
|--------------------------|--|--------------------------|
| | 6~24, 36Mbps: 14.0dBm (25.1mW) FCC @ 5.25~5.35GHz 36Mbps: 14.0dBm (25.1mW) 6~24Mbps: 18.0dBm (63.1mW) TELEC @ 5.15~5.25GHz 54Mbps: 13.5dBm (22.4mW) 48Mbps: 14.0dBm (25.1mW) 36Mbps: 14.0dBm (25.1mW) 6~24Mbps: 18.0dBm (63.1mW) | |
| Sensitivity | 54Mbps: -65dBm 48Mbps: -66dBm 36Mbps: -70dBm 24Mbps: -72dBm 18Mbps: -77dBm 12Mbps: -79dBm 9Mbps: -81dBm 6Mbps: -82dBm | |
| Environment | | |
| Operating Temperature | 0~55 | |
| Storage Temperature | -20~65 | |
| Humidity(Non-condensing) | 100% | |
| Physical | | |
| Antenna Interface | N type(Female) | N type(Female) |
| Dimension | 242.5mm(L)212mm(W)70mm(H) | 300mm(L)220mm(W)120mm(H) |
| Weight | 2Kg | 2.6 Kg |