Cisco Meraki MR56 Indoor Wi-Fi 6 802.11ax Router with License Support

Product Specification

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| Brand | Cisco Meraki |
| Model | MR56 |
| Type | Indoor Wi-Fi 6 802.11ax Router with License Support |
| Radios | 2.4 GHz 802.11b/g/n/ax client access radio | 5 GHz 802.11a/n/ac/ax client access radio | 2.4 GHz & 5 GHz dual-band WIDS/WIPS, spectrum analysis, & location analytics radio | 2.4 GHz Bluetooth Low Energy (BLE) radio with Beacon and BLE scanning support | Concurrent operation of all four radios | Supported frequency bands (country-specific restrictions apply) | Supported frequency bands (country-specific restrictions apply): 2.412-2.484 GHz , 5.150-5.250 GHz (UNII-1) ,5.250-5.350 GHZ (UNII-2),5.470-5.600, 5.660-5.725 GHz (UNII-2e) ,5.725 -5.825 GHz (UNII-3) |
| Antenna | Internal Antenna (5.4 dBi gain at 2.4 GHz, 6 dBi gain at 5 GHz) |
| 802.11ax, 802.11ac Wave 2 and 802.11n Capabilities | DL-OFDMA, UL-OFDMA, TWT support, BSS Coloring | 8 x 8 multiple input, multiple output (MIMO) with eight spatial streams on 5GHz | 4 x 4 multiple input, multiple output (MIMO) with four spatial streams on 2.4GHz | SU-MIMO, UL MU-MIMO** and DL MU-MIMO support | Maximal ratio combining (MRC) & beamforming | 20 and 40 MHz channels (802.11n); 20, 40, and 80 MHz channels (802.11ac Wave 2); 20, 40 and 80 MHz channels (802.11ax) | Up to 1024-QAM on both 2.4 GHz & 5 GHz bands | Packet aggregation |
| Power | Power over Ethernet: 42.5 - 57 V (802.3at compliant) | Alternative: 12 V DC input | Power consumption: 30W max (802.3at required) | Power over Ethernet injector and DC adapter sold separately |
| Interfaces | 1x 100/1000/2.5G/5G BASE-T Ethernet (RJ45) | 1x DC power connector (5.5 mm x 2.5 mm, center positive) |
| Environment | Operating temperature: 32 °F to 104 °F (0 °C to 40 °C) | Humidity: 5 to 95% non-condensing | Operating altitude: Up to 40,000 feet (12,192 meters) |
| Appliance | RMA ONLY 8X5XNBD Meraki MR56 Wi-Fi 6 Indoor AP |

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| Appliances P/N | 8X5XNBD |
| Supported | Meraki MR Enterprise License, 3YR |
| Support P/N | LIC-ENT-3YR |