



Performance

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| Max Throughput | Up to 1.5 Gbps IP aggregate UL/DL (1.7 Gbps PHY) |
| Low Latency | 2+ ms |
| Wireless Protocols | TDMA, TDMA-FD |

Radio

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|-----------------------|--|
| MIMO & Modulation | 4x4:4 MIMO OFDM up to 256QAM |
| Bandwidth | Single or Dual 20/40/80 MHz channels |
| Frequency Range | 10000-11700 MHz restricted by country of operation |
| Max Output Power | 20 dBm (2-stream), 27 dBm (4-stream) |
| Sensitivity (MCS 0) | -87 dBm @ 80 MHz -90 dBm @ 40 MHz -93 dBm @ 20 MHz |

Power

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|-----------------------------------|--|
| Max Power Consumption | 30W |
| System Power Method | 48 V DC 802.3 at compliant power injectors |
| System Lightning & ESD Protection | 6 kV |
| PoE Power Supply | Passive POE compliant, 48-56 V Power over Ethernet supply with IEC61000-4-5 surge protection |

Physical

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|---------------------------|---|
| Dimensions | Height: 260 mm (10.2") Width: 158 mm (9.6") Depth: 70 mm (2.8") |
| Weight | 2 kg (4.5 lbs) |
| Enclosure Characteristics | Outdoor UV stabilized plastic Aluminum mounting panel |
| Wind Survivability | 200 km/h (125 mph) |
| Wind Loading | 9.89 Kg @ 160 km/h (21.8 lbs @ 100 mph) |
| Mounting | Circular Waveguide fed mounting bracket direct into antenna |
| Optional Data Connector | SFP Cage |

Environmental

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|-----------------------------------|---------------------------------|
| Outdoor Ingress Protection Rating | IP67 |
| Operating Temperature | -40°C to +55°C (-40°F to 131°F) |
| Operating Humidity | 5 to 100% condensing |
| Operating Altitude | 4420 m (14500') maximum |
| Shock & Vibration | ETS 300-019-2-4 class 4M5 |

Features

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|----------------------------|--|
| Gigabit Ethernet | 10/100/1000-BASE-T |
| Fiber Port | 10/100/1000-BASE-T |
| Dual Protocol Operation | 2 dual-stream radios operating on non-contiguous frequencies allow for traditional FDD-like performance or TDMA Automatic load balancing of traffic across 4 total MIMO streams with individual stream encoding up to 256 QAM |
| Management Services | Mimosa cloud monitoring and management SNMPv2 & Syslog legacy monitoring HTTPS HTML 5 based Web UI 2.4 GHz 802.11b/g/n radio for local management access |
| Smart Antenna Alignment | Hands-free dedicated 2.4 GHz Wi-Fi management radio alignment tool |
| Smart Spectrum Management | Active scan monitors/logs ongoing RF interference across channels (no service impact) Dynamic auto-optimization of channel and bandwidth use |
| Security | 128-bit AES PSK with hardware acceleration |
| QoS | Supports 4 pre-configured QoS levels |
| GPS Location | GNSS-1 (GPS + GLONASS) |
| Colocation Synchronization | 1PPS GPS TX/RX synchronization for colocated co-channel radios Adjustable up/downstream bandwidth ratio |

Regulatory + Compliance

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|-----------------|---------------------------------|
| Approvals | FCC Part 101 and EN 302 217-2-2 |
| RoHS Compliance | Yes |
| Safety | UL/EC/EN/ 60950-1 + CSA-22.2 |