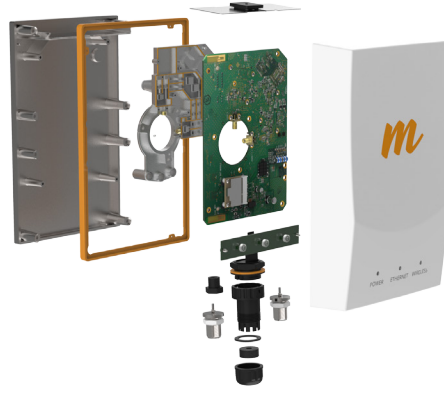




## B5c Specifications



### Performance

Max Throughput	Up to 1.0 Gbps IP (1.7 Gbps PHY)
Low Latency	2+ ms
Wireless Protocols	TDMA

### Radio

MIMO & Modulation	4x4:4 MIMO OFDM up to 256QAM
Bandwidth	Single or Dual 20/40/80 MHz channels
Frequency Range	4900-6000 MHz restricted by country of operation (*new* US/FCC 5600-5650 support)
Max Output Power	30 dBm (2-stream), 27 dBm (4-stream)
Sensitivity ( MCS 0 )	-87 dBm @ 80 MHz -90 dBm @ 40 MHz -93 dBm @ 20 MHz

### Power

Max Power Consumption	20W
System Power Method	802.3at compliant
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

Dimensions	Height: 267 mm (10.5") Width: 158 mm (6.2") Depth: 74 mm (3")
Weight	1.6 kg (3.5 lbs)
Enclosure Characteristics	Outdoor UV stabilized plastic Aluminum mounting panel
Mounting	Dual standard pole straps for 30 mm (1.18") to 90 mm (3.54") OD pipes

### Environmental

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

Gigabit Ethernet	10/100/1000-BASE-T
Dual Link Operation	2 independent dual-stream radios operating on non-contiguous frequencies 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)

### Regulatory + Compliance

Approvals	FCC Part 15.407 and Part 90Y, IC RS10, CE, ETSI 301 893/302 502
RoHS Compliance	Yes
Safety	UL/EC/EN/ 60950-1 + CSA-22.2