Switch to the award-winning Mimosa B5-Lite, the easiest, fastest and most affordable wireless bridge kit on the market. This backhaul radio is ideal for connecting large properties, co-located office buildings, hospital buildings or campuses. No fiber in your future? No problem - the B5-Lite is a great short range fiber-digging alternative. Public safety providers can also take advantage of the licensed 4.9 GHz safety band and easily deploy the B5-Lite for an immediate backhaul boost.

The B5-Lite is a fantastic addition to any network. Make the change today and discover blazing backhaul.

**Superior Performance**
Our speeds will blow you away. With up to 750 Mbps and under 1 ms of latency, high performance has never been this affordable.

**Rugged and Affordable**
Extreme outdoor conditions have nothing on the B5-Lite. The B5-Lite handles huge fluctuations with incredible affordability.

**Monitor with Ease**
Assessing link health and identifying potential problems is easy. Links are instantly monitored by our Mimosa Cloud service with rich data collection and analysis.

**Just Mount and Go**
Connect quickly with our complete kit including super compact integrated antennas and wall mounts. Includes optional pole mounting kit.
Technical Specifications

Performance
- Max Throughput: 750+ Mbps
- Low Latency: Configurable to 5ms+
- Wireless Protocols: Auto-TDD/TDMA

Radio
- MIMO & Modulation: 2x2:2 MIMO OFDM up to 256 QAM
- Bandwidth†: 20/40/80 MHz channels tunable to 5 MHz increments
- Frequency Range: 4900-6000 MHz restricted by country of operation (*new* US/FCC 5600-5650 support)
- Max Output Power: 23 dBm
- Sensitivity (MCS 0):
  - -87 dBm @ 80 MHz
  - -90 dBm @ 40 MHz
  - -93 dBm @ 20 MHz

Antenna
- Gain: 20 dBi
- Beamwidth (3dB): 14° (azimuth and elevation)
- Cross-Polar Isolation: >20 dB
- Polarization: Dual 45° slant polarization

Power
- Max Power Consumption: 15W
- System Power Method: Passive POE
- PoE Power Supply: Passive POE compliant, 48-56 V Power over Ethernet supply

Physical
- Dimensions:
  - Width: 153.31 mm (6.04”)
  - Diameter: 260.33 mm (10.25”)
- Weight: 0.72 Kg (1 lbs 9oz)
- Enclosure Characteristics: Outdoor UV stabilized plastic
- Wind Survivability: 200 km/h (125 mph)
- Wind Loading: 39 kg @ 160 km/h (86 lbs @ 100 mph)

- Mounting: Single pole strap feed point integrated into plastic back plate with integrated curvature for contact with mounting poles. Azimuth and Elevation adjustability only provided via J-mount elevation adjustment and hose clamp loosened rotation on the pole.

Environmental
- Outdoor Ingress Protection Rating: IP55
- 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
- Management Services: Mimosa cloud monitoring and management
  - SNMPv2 & Syslog legacy monitoring
  - HTTPS HTML 5 based Web UI
- Smart Spectrum Management:
  - Active scan monitors/logs ongoing RF interference across channels (no service impact)
  - Dynamic auto-optimization of channel and bandwidth use
- Security: WPA2 + Mimosa 802.1x Client
- QoS: Supports 4 pre-configured QoS levels

Regulatory + Compliance
- RoHS Compliance: Yes
- Safety: UL/EC/EN/ 60950-1 + CSA-22.2
† 4.9 GHz uses 20 MHz channel widths only (US only, regulations vary by region)