

## MESH4G™ 5GHz Wireless Products

The 5GHz wireless technology products we supply can be utilized in a wide range of applications. The functionality and versatility of our products make them ideal when considering an outdoor wireless solution.

Our MESH4G™ 5GHz Wireless Technology product range is made up a selection of quality access points, subscriber units, Ethernet bridges and radio devices.

### **M4.5710A - Access Point**

- Point-to-MultiPoint
- Up to 10 Mbps
- Range up to 18 Miles (depending on Subscriber Unit)
- Dual polarized, 60 degree antenna
- Dual-band (5.3GHz or 5.8GHz)
- Support up to 500 Subscribers
- Non 802.11a operation (proprietary protocol)
- Non EU



### **M4.5720S - 5.8GHz Subscriber Unit**

- Integrated Antenna
- Up to 10 Mbps
- 4 mile range without optional dish (5.8GHz 7dB fade margin)
- 13 mile range with 25dBi dish (5.8GHz 13dB fade margin)
- Client for M4.5710A - Access Point
- Dual polarized antenna
- Enhanced Polling Priority
- Non 802.11a operation (proprietary protocol)
- Non EU



### **M4.5730L - Ethernet Bridge**

- Point-to-Point Layer 2
- Integrated Antenna
- 10 Mbps usable subscriber throughput
- 10 Mile range (5.8GHz 10dB fade margin)
- Dual-band (5.3GHz or 5.8GHz), software selectable
- Dual polarity antenna, software selectable
- Non 802.11a operation (proprietary protocol)
- Non EU



**M4.5730LX - Ethernet Bridge (External Antenna)**

- Point-to-Point Layer 2
- External Antenna
- 10 Mbps usable subscriber throughput
- 20 Mile range with 15" 24dBi Patch Antenna (5.8GHz 15dB fade margin)
- Up to 40 Miles by special order
- Dual-band (5.3GHz or 5.8GHz), software selectable
- Dual polarity antenna, software selectable
- Non 802.11a operation (proprietary protocol)
- Non EU



**M4.5740L - 45 Mbps Ethernet Bridge**

- Point-to-Point Layer 2, OFDM
- Integrated Antenna
- 45 Mbps of sustained throughput
- Up to 6 mile range (5.8GHz 20dB fade margin)
- Tri-band ready, 5.250-5.875 GHz
- Dynamic Frequency Selection
- Adaptable Rate Modulation
- Non 802.11a operation (proprietary protocol)
- EU Soon



**M4.5740LX - 45 Mbps Ethernet Bridge (External Antenna)**

- Point-to-Point Layer 2, OFDM
- External Antenna
- 45 Mbps of sustained throughput
- Up to 20 mile range with 34dBi Antenna (5.8GHz 20dB fade margin)
- Tri-band ready, 5.250-5.875 GHz
- Dynamic Frequency Selection
- Adaptable Rate Modulation
- Non 802.11a operation (proprietary protocol)
- EU Soon



**M4.5510H - Single Radio 2.4, 5.3, 5.4, 5.8GHz**

- Point-to-Point Layer 2
- External Antenna
- Versatile 802.11a/b/g radio
- Up to 108 Mbps transmission speed in bridge mode
- Up to 19km range with 23dBi Antenna (5.8GHz, 6 Mbps)
- 2km range with 23dBi Antenna (5.8GHz, 108 Mbps)
- 2.4, 5.3, 5.4 and 5.8GHz
- Secure 802.11i support with multiple keys
- Configurations supported: End Point for Hopping, Point-to-MultiPoint, Hot Spot option, Point-to-Point
- EU Approved



**M4.5520H - Dual Radio 2.4, 5.3, 5.4, 5.8GHz**

- Point-to-Point Layer 2
- External Antennas
- Contains two versatile 802.11a/b/g radio
- Up to 108 Mbps transmission speed in bridge mode
- Up to 19km range with 23dBi Antenna (5.8GHz, 6 Mbps)
- 2km range with 23dBi Antenna (5.8GHz, 108 Mbps)
- 2.4, 5.3, 5.4 and 5.8GHz
- Secure 802.11i support with multiple keys
- Configurations supported: End Point for Hopping, Point-to-MultiPoint, Hot Spot option, Point-to-Point, Dual Radio enables 5.8GHz backhaul to 2.4GHz Hot Spot and Hopping
- EU Approved



**M4.5610L - Ethernet Bridge**

- Point-to-Point Layer 2
- Integrated Antenna
- Up to 27 Mbps at Ethernet level
- 2.7km at 27 Mbps, 6km at 3 Mbps
- 802.11a
- Supports 5.8GHz
- Superior Atheros XR™ powered OFDM radio – enables NLOS (near line of sight) operation in dense urban environments
- EU Approved



**M4.5620AX - Access Point**

- Point-to-MultiPoint Layer 2
- External Antenna
- Up to 27 Mbps at Ethernet level
- 2.7km at 27 Mbps, 6km at 3 Mbps (14dBi 90° Sector Antenna)
- 802.11a WPM (Wireless Polling MAC)
- Supports 5.8GHz
- Two Independent Atheros AR5004X Radio Interfaces
- EU Approved



**M4.5630S - Subscriber Unit**

- Integrated Antenna
- Up to 27 Mbps at Ethernet level
- 2.7km at 27 Mbps, 6km at 3 Mbps
- Client for M4.5620AX
- 802.11a WPM (Wireless Polling MAC)
- Supports 5.8GHz
- EU Approved

