

# G2 WiFi Gateway

Plug-and-Play Customer Satisfaction Designed for Service Providers



The Mimosa G2 Gateway is an elegant and compact WiFi Gateway that simplifies in-home managed broadband delivery. Designed to easily install directly into a wall plug, the Mimosa G2 also provides integrated Power over Ethernet for powering Mimosa C5 client premise devices. Offering superior indoor WiFi range, the cloud-managed Mimosa G2 is designed to extend the managed broadband infrastructure all the way to the subscriber's mobile and fixed WiFi devices.

## Beautifully Powerful

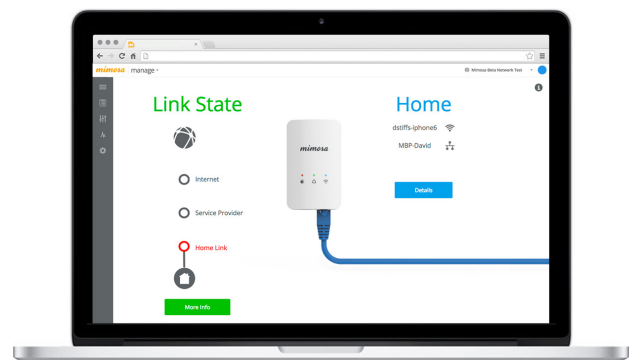
The G2 is a cleaner Power over Ethernet option that seamlessly fits into your subscriber's decor. And with integrated WiFi, the wall plug eliminates multiple devices, messy extension cords and bulky home router design.

## Cloud Managed and Quality Aware

The cloud managed G2 enables you to offer a full end-to-end managed WiFi service when connected through a C5 or C5c client radio. Stay informed about your customer's WiFi client signal health and Internet quality and put an end to unnecessary truck rolls for common support calls. Even time consuming tasks like RF troubleshooting and bulk software upgrades are a breeze. The G2 maintains visibility into the critical components required to keep Internet service operating properly and notifies consumers of issues.

## Elegant Simplicity

The Mimosa G2 ships pre-configured with an SSID name and unique password printed on the device as well as on a convenient and durable card, eliminating manual configuration and reducing support calls.



## Plug-and-Play

Most homes have hard-to-reach WiFi spots. Easily fill coverage holes by adding additional Mimosa G2 Gateways. Auto-setup quickly pairs with the master G2 to easily extend WiFi coverage.

## Fully Integrated Router

Designed to include everything required to run the subscriber's network in a small and unobtrusive product. Includes a NAT router, stateful packet inspection firewall, port forwarding and static routes.

## Intelligent Spectrum Management

Success in the 2.4 GHz spectrum requires intelligent spectrum management to stay on the cleanest channel. The G2 selects the best channel on startup and uses an ongoing auto channel algorithm to alert and change channels if performance suffers due to interference.

## Secure Guest Networks

Privacy is imperative — and the G2 offers an entirely separate, secured wireless network to protect consumers' private networks. Up to four wireless networks can be configured.

## Seamless Integration

The G2 supports PPPoE and PPTP tunneling to easily integrate into existing Service Provider infrastructure for authentication and control.



## Product Features

- **Two GigE Ports:**  
WAN - 10/100/1000-BASE-T  
LAN - 10/100/1000-BASE-T
- **Power over Ethernet (PoE) Out:**  
48V PoE on WAN port for Mimosa Client devices
- **Pre-configured:**  
Plug and go for quick installation  
Pre-printed WiFi login information
- **Channel Management:**  
Auto selection of best channel  
Automatic interference avoidance
- **Management:**  
Mimosa Cloud monitoring  
Disable Configuration from LAN  
Management Access Control Lists  
SNMP v1, v2c, v3  
Syslog
- **SSID Support:**  
Predefined Home and Guest  
Guest isolation  
Up to 4 SSID
- **Routing:**  
NAT  
DHCP Server  
Stateful Packet Inspection Firewall  
Port Forwarding  
Static Routes
- **Tunneling/Authentication:**  
PPPoE, PPTP
- **Security:**  
WPA/WPA2 Personal (PSK)  
WAP/WPA2 Enterprise (802.1x)  
AES, TKIP, WEP 64/128
- **QoS:**  
EDCA WMM pre-configured 4 level QoS, Rate limiting, WMM Power Save

## Product Specifications

### Performance

- **Max Throughput:**  
300 Mbps PHY
- **Client Capacity:**  
100
- **Wireless Protocols:**  
802.11n
- **Modes:**  
Router + WiFi  
Wireless Range Extender (repeater)  
Wired WiFi Extension (AP mode)  
PoE Passthrough

### Radio

- **MIMO & Modulation:**  
2x2:2 MIMO OFDM up to 64-QAM
- **Bandwidth:**  
20/40 MHz channels
- **Frequency Range:**  
2400–2484 MHz restricted by country of operation
- **Max Output Power:**  
16 dBm
- **Sensitivity ( MCS 0 ):**  
-84 dBm @ 40 MHz  
-88 dBm @ 20 MHz

### Antenna

- **Type:**  
Internal
- **Pattern:**  
Omni

### Physical

- **Dimensions:**  
Width: 57 mm (2.24")  
Height: 42 mm (1.65")  
Length: 92 mm ( 3.62")  
Weight: 0.147 kg (5.22 ounces)
- **Enclosure:**  
Compact Wall-plug designed with UV stabilized plastic

- **Mounting:**  
Wall plug-in with interchangeable country specific clip
- **Electric Plug Adapters:**  
Type A (USA, Canada, Mexico, Japan);  
Type C (Europe, Russia);  
Type G (UK, Ireland, Malta, Malaysia, Singapore);  
Type I (Australia, New Zealand)

### Power

- **Max Power Consumption:**  
14 W
- **System Power Method:**  
Wall Plug-in
- **Input Power:**  
100-240VAC 0.6A 50-60 Hz  
Over Current & Voltage Protection
- **Output Power:**  
48V 210 mA

### Environmental

- **Operating Temperature:**  
0°C to +40°C (32°F to +104°F)
- **Operating Humidity:**  
5% to 95% non-condensing
- **Storage Temperature:**  
-25°C to +65°C (-13°F to +149°F)

### Regulatory + Compliance

- **Approvals:**  
FCC Part 15B + 15C  
ETSI 300 328  
ETSI 301 489 – Part 1, 17  
EN 5502 Class B  
CI RSS247  
ASS/RCM, TUV
- **Safety:** UL/cUL, IEC/EN
- **RoHS Compliance:** Yes
- **Wi-Fi Certified:** Yes

Mimosa Networks, a division of Airspan, is the global technology leader in wireless broadband solutions, enabling service providers to connect dense urban and hard-to-reach rural homes at a fraction of the cost of fiber. Mimosa Networks was acquired in 2018 by Airspan, the leading vendor of 4G/5G LTE small cells and backhaul technologies.