



# BR Pro Family

The New Benchmark for **Professional Connectivity**

**TAA**  
COMPLIANT



X65 5G Modem



5G SA &  
Network Slicing



PoE+ Input



Docker Support



Flexible SIM  
Options



SpeedFusion



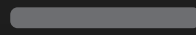
Higher Peak Theoretical Performance (On sub-6 GHz 5G)

X65 5G Modem



4.1 Gbps

X62 Modem



3.4 Gbps

## Advanced 5G Performance

Powered by the **X65 5G modem**, both routers support **standalone (SA) and non-standalone (NSA) 5G modes** with enhanced carrier aggregation capabilities, delivering **increased throughput** and faster speeds across public and **private 5G networks**.

SA Mode



NSA Mode



LTE Fallback



Private 5G Networks



Network Slicing



## Streamlined, Flexible Deployment with PoE Power Input

**Power over Ethernet (PoE) input** simplifies installation and cabling, allowing the BR1 to be placed in locations with better signal reception, without needing a nearby power outlet.



802.3at  
PoE+ Input

8GB

Internal Storage



## Smarter Operations with Edge Computing

Run custom applications directly on the device with **built-in Docker support** and **onboard storage**, enabling agile performance, seamless integration, and streamlined deployment and management.

## Government-Ready: TAA Compliant

Meet federal and government requirements with **full TAA compliance** for secure and regulated deployments.



## Priority for Public Safety

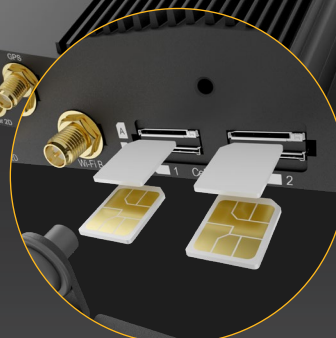
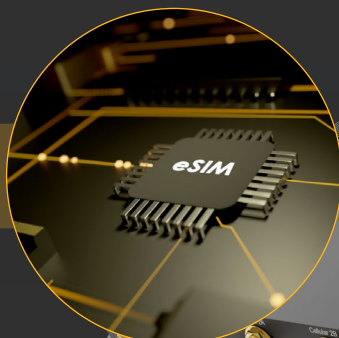
Ideal for public safety environments, both routers carry **AT&T FirstNet** and **T-Mobile T-Priority** certifications and are **Verizon Frontline** verified, ensuring prioritized and reliable connectivity during mission-critical operations.

## Flexible SIM Choices for Any Situation

Use **eSIM** for greater efficiency and instant connectivity, with the option to use **physical SIMs** when needed.



eSIMs



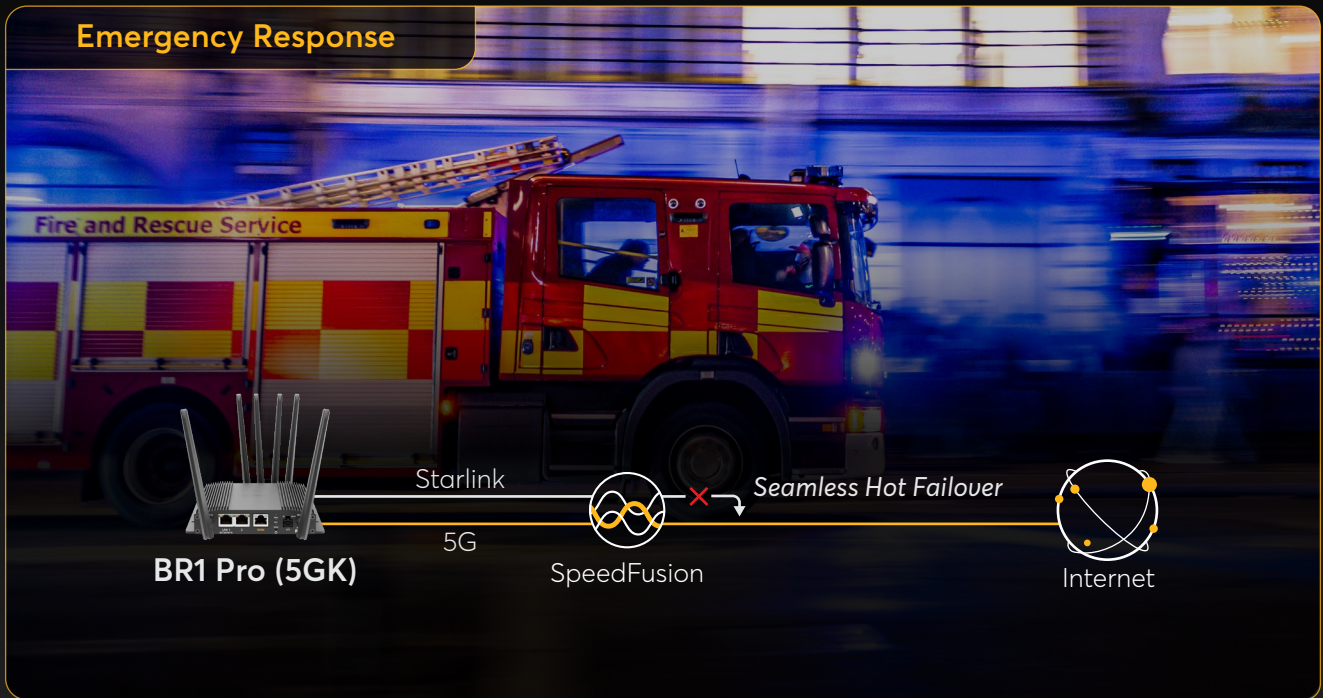
Physical SIMs



## Seamless Failover for Starlink, Fiber, and FWA

Seamlessly integrate 5G with **Starlink, fiber, and fixed wireless access (FWA)** through **SpeedFusion** to deliver uninterrupted connectivity. Stay reliably online, always.

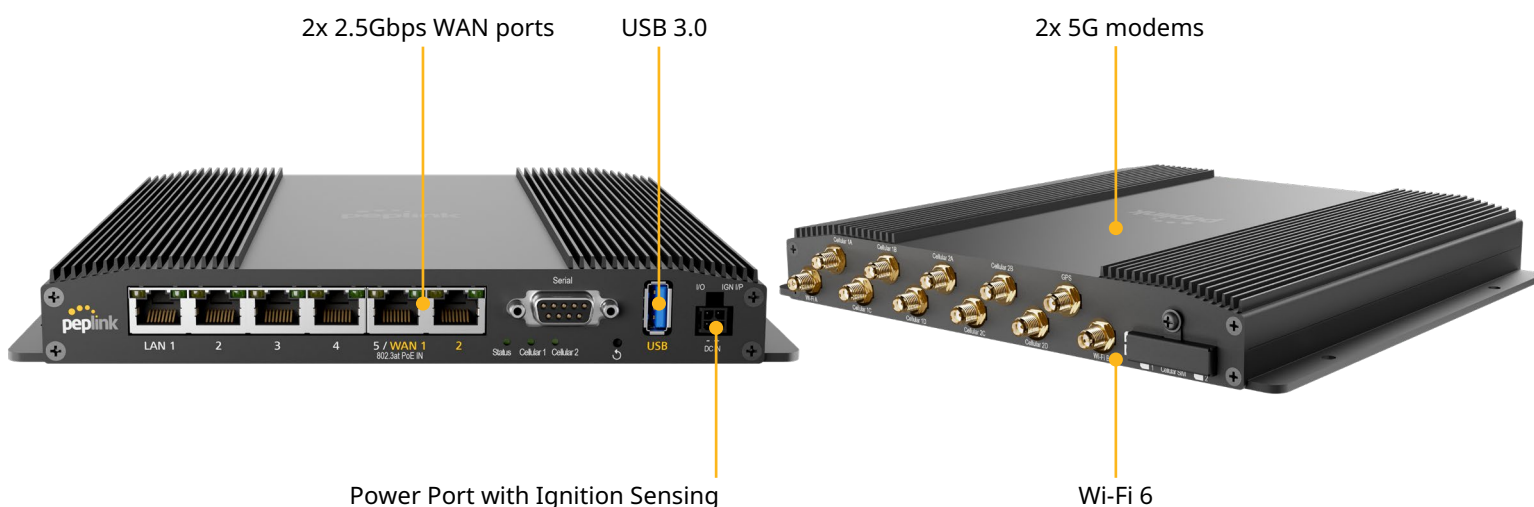
### Emergency Response



### Retail



# BR2 Pro (5GK)



## Specifications

|                                                                                                                                                            |                                                                                                             |                              |                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WAN Interface</b>                                                                                                                                       | 2x 10/100/1000/2500M Ethernet <sup>1</sup><br>2x 5G Modems with Redundant SIM Slots<br>1x USB 3.0 Interface | <b>Antenna Connectors</b>    | 8x SMA Cellular Antenna Connectors<br>2x RP-SMA Wi-Fi Antenna Connectors<br>1x SMA GPS Antenna Connector                                                                                              |
| <b>LAN Interface</b>                                                                                                                                       | 4x 10/100/1000M Ethernet                                                                                    | <b>Power Input</b>           | AC Adapter: AC Input 100V – 240V / DC Output 12V<br>Power Port: 10V – 30V DC<br>Passive PoE 48-56V<br>Power over Ethernet 802.3at <sup>5</sup>                                                        |
| <b>Wi-Fi Interface</b>                                                                                                                                     | Simultaneous Dual-Band (2.4GHz / 5GHz)<br>Wi-Fi 6, 2X2 MU-MIMO<br>Wi-Fi WAN and/or AP                       | <b>Power Consumption</b>     | 12W (nominal), 30W (max.)                                                                                                                                                                             |
| <b>Router Throughput</b>                                                                                                                                   | 1 Gbps                                                                                                      | <b>Dimension</b>             | 8.58 x 7.68 x 1.61 inches / 218 x 195 x 29.5 mm                                                                                                                                                       |
| <b>SpeedFusion</b> <ul style="list-style-type: none"><li><b>Features</b></li></ul>                                                                         | Hot Failover, Smoothing, Bandwidth Bonding, SpeedFusion Boost                                               | <b>Weight</b>                | 2.42 pounds / 1.1 kg                                                                                                                                                                                  |
| <ul style="list-style-type: none"><li><b>VPN Peers</b></li></ul>                                                                                           | 2 / 5 / 10 / 20 <sup>2</sup>                                                                                | <b>Operating Temperature</b> | -40° – 149°F / -40° – 65°C                                                                                                                                                                            |
| <ul style="list-style-type: none"><li><b>VPN Throughput</b><ul style="list-style-type: none"><li>- No Encryption</li><li>- 256-bit AES</li></ul></li></ul> | 400 Mbps<br>200 Mbps                                                                                        | <b>Humidity</b>              | 15% – 95% (non-condensing)                                                                                                                                                                            |
| <b>Recommended Users</b>                                                                                                                                   | 1-150                                                                                                       | <b>Certifications</b>        | FCC, CE, RoHS, RCM, ISED<br>E-Mark (Motor Vehicle)<br>EN 61373 Shock and Vibration Resistance<br>EN 50155 Railway Applications<br>EN 61000 Electromagnetic Compatibility<br>MIL-STD-810H Method 514.8 |
| <b>AP &amp; Switch Controller</b>                                                                                                                          | Standard                                                                                                    | <b>Package Content</b>       | 1x BR2 Pro<br>8x LTE/5G Antennas (ACW-235)<br>2x Dual Band Wi-Fi Antennas (ACW-341)<br>1x GPS Antenna (ACW-232)<br>1x 12V DC, 3A 4-Pin Power Supply (ACW-663)                                         |
| <b>Maximum Number of Controlled AP / Switch</b>                                                                                                            | 30 / 50 <sup>3</sup>                                                                                        | <b>SIM Options</b>           | Nano-SIM (4FF)<br>Peplink eSIM<br>BYO eSIM (4 profiles per modem) <sup>6</sup><br>RemoteSIM from SIM Injector <sup>7</sup><br>FusionSIM <sup>7</sup>                                                  |
| <b>Cellular Data Rate <sup>4</sup> (Downlink/Uplink)</b>                                                                                                   | 5G: 4.1Gbps / 900Mbps<br>CAT-20: 2Gbps / 211Mbps                                                            | <b>Warranty</b>              | 1-Year Limited Warranty                                                                                                                                                                               |
| <b>Edge Computing</b>                                                                                                                                      | Docker (8GB Internal Storage)                                                                               |                              |                                                                                                                                                                                                       |

<sup>1</sup> The WAN port can act as a LAN port if needed.

<sup>2</sup> 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription. 10 or 20 SpeedFusion VPN peers can be enabled with software license (PVN-LC-10 and PVN-LC-20).

<sup>3</sup> Available as a licence add-on (AP-LC-50).

<sup>4</sup> Theoretical maximum data rates.

<sup>5</sup> 802.3at PoE port provide a power supply of 25W. If you require 30W of power budget (eg. using dual cellular WAN and USB WAN together), please empower the MAX BR2 Pro via the bundled power adapter (12V3A PSU, ACW-663), or the optional Passive PoE Injector Kit (ACW-111 + ACW-622).

<sup>6</sup> Available with Firmware 8.6.0 or above.

<sup>7</sup> RemoteSIM and FusionSIM compatible with hardware version 2 or above.

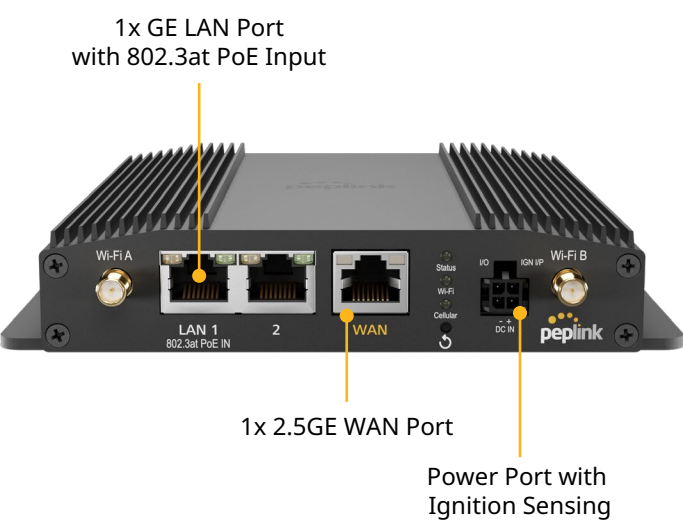
Ordering Information

| Product Code                                         | Regions                                                                                    | 5G Bands                                                                                                                                                            | LTE Bands                                                                                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAX-BR2-PRO-5GK-T-PRM<br>Embedded Modem(s):<br>2x 5G | Global<br><br>*US Carrier Certifications:<br>AT&T, T-Mobile, Verizon (C-Band),<br>FirstNet | 5G (NSA & SA) Sub 6Ghz:<br>n1, n2, n3, n5, n7, n8, n12, n13,<br>n14, n18, n20, n25, n26, n28, n29,<br>n30, n38, n40, n41, n48, n66, n71,<br>n75, n76, n77, n78, n79 | B1, B2, B3, B4, B5, B7, B8, B12, B13,<br>B14, B17, B18, B19, B20, B25, B26,<br>B28, B29, B30, B32, B34, B38, B39,<br>B40, B41, B42, B43, B46, B48, B66,<br>B71 |

Featured Add-on

| Product Code        | Description                                                                         |
|---------------------|-------------------------------------------------------------------------------------|
| PRM-E-1Y / PCP-E-1Y | PrimeCare E / PrimeCare+ E (1-Year)                                                 |
| PRM-E-2Y / PCP-E-2Y | PrimeCare E / PrimeCare+ E (2-Year)                                                 |
| PRM-E-4Y / PCP-E-4Y | PrimeCare E / PrimeCare+ E (4-Year)                                                 |
| ACW-634             | 10ft / 3m DC Power Cable                                                            |
| ACW-643             | Vehicle Cigarette to Molex Power Cable                                              |
| ACW-791             | Peplink 4-Pin Micro-Fit to USB-C Power Cable                                        |
| ACW-111             | PoE Adapter                                                                         |
| ACW-622             | PoE+ Activation Kit                                                                 |
| ANT-MB-42G-S-W-6    | Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (White) |
| ANT-MB-42G-S-B-6    | Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (Black) |
| ANT-MB-82G-S-W-6    | Mobility 82G - 8x8 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (White) |
| MAX-BR1-ADV         | IPsec X.509 Certificate License Key                                                 |

# MAX BR1 Pro 5G



## Specifications

|                                                                                                                                                            |                                                                                                   |                              |                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WAN Interface</b>                                                                                                                                       | 1x 10/100/1000/2500M Ethernet <sup>1</sup><br>1x Embedded Cellular Modem with Redundant SIM Slots | <b>Antenna Connectors</b>    | 4x SMA Cellular Connectors<br>2x RP-SMA Wi-Fi Antenna Connectors<br>1x SMA GPS Antenna Connector                                                                                                                                                                                |
| <b>LAN Interface</b>                                                                                                                                       | 2x 10/100/1000M Ethernet <sup>1</sup>                                                             | <b>Power Input</b>           | AC Adapter: AC Input 100V-240V / DC Output 12V<br>Power Port: 10V – 30V DC<br>Power over Ethernet 802.3at                                                                                                                                                                       |
| <b>Wi-Fi Interface</b>                                                                                                                                     | Simultaneous Dual-Band (2.4GHz / 5GHz)<br>Wi-Fi 6 2x2 MU-MIMO<br>Wi-Fi WAN and/or AP              | <b>Power Consumption</b>     | 8W (nominal), 19W (max.)                                                                                                                                                                                                                                                        |
| <b>Router Throughput</b>                                                                                                                                   | 1Gbps                                                                                             | <b>Dimensions</b>            | 5.78 x 5.68 x 1.15 inches / 146.8 x 144.3 x 29.3 mm                                                                                                                                                                                                                             |
| <b>SpeedFusion</b> <ul style="list-style-type: none"><li><b>Features</b></li></ul>                                                                         | Hot Failover, Smoothing, Bandwidth Bonding, SpeedFusion Boost                                     | <b>Weight</b>                | 1.59 pounds / 720 grams                                                                                                                                                                                                                                                         |
| <ul style="list-style-type: none"><li><b>VPN Peers</b></li></ul>                                                                                           | 2 / 5 / 10 / 20 <sup>2</sup>                                                                      | <b>Operating Temperature</b> | -40° – 149°F / -40° – 65°C                                                                                                                                                                                                                                                      |
| <ul style="list-style-type: none"><li><b>VPN Throughput</b><ul style="list-style-type: none"><li>- No Encryption</li><li>- 256-bit AES</li></ul></li></ul> | 400 Mbps<br>200 Mbps                                                                              | <b>Humidity</b>              | 15% – 95% (non-condensing)                                                                                                                                                                                                                                                      |
| <b>Recommended Users</b>                                                                                                                                   | 1-150                                                                                             | <b>Certifications</b>        | FCC, CE, RoHS, ISED<br>E-Mark<br>EN61373 Shock and Vibration Resistance<br>EN50155 Railway Applications<br>Electronic Equipment used on Rolling Stock<br>EN61000 Electromagnetic Compatibility<br>EN45545-2 Railway applications - Fire protection<br>MIL-STD-810H Method 514.8 |
| <b>AP &amp; Switch Controller</b>                                                                                                                          | Standard                                                                                          | <b>Package Content</b>       | 1x BR1 Pro 5G<br>4x LTE/5G Antennas<br>2x Dual Band Wi-Fi Antennas<br>1x GPS Active Antenna<br>1x 12V DC, 2A 4-Pin Power Supply (ACW-632)                                                                                                                                       |
| <b>Maximum Number of Controlled AP / Switch</b>                                                                                                            | 30 / 50 <sup>3</sup>                                                                              | <b>SIM Options</b>           | Nano-SIM (4FF)<br>Peplink eSIM<br>BYO eSIM (4 profiles)<br>RemoteSIM from SIM Injector<br>FusionSIM                                                                                                                                                                             |
| <b>Cellular Data Rate <sup>4</sup> (Downlink / Uplink)</b>                                                                                                 | 5G: 4.1Gbps / 900Mbps<br>CAT-20: 2Gbps / 211Mbps                                                  | <b>Warranty</b>              | 1-Year Limited Warranty                                                                                                                                                                                                                                                         |
| <b>Edge Computing</b>                                                                                                                                      | Docker (8GB Internal Storage)                                                                     |                              |                                                                                                                                                                                                                                                                                 |

<sup>1</sup> Ethernet ports include surge and ESD protection circuits to protect against over-voltage transients.  
<sup>2</sup> 5 SpeedFusion VPN Peers are enabled with PrimeCare Subscription. 10 or 20 SpeedFusion VPN peers can be enabled with software license (PVN-LC-10 and PVN-LC-20).  
<sup>3</sup> Available as a licence add-on (AP-LC-50).  
<sup>4</sup> Maximum theoretical data rates.

Ordering Information

| Product Code                                         | Regions                                                                                    | 5G Bands                                                                                                                                                                       | LTE Bands                                                                                                                                                      |
|------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAX-BR1-PRO-5GK-T-PRM<br>Embedded Modem(s):<br>1x 5G | Global<br><br>*US Carrier Certifications:<br>AT&T, T-Mobile, Verizon (C-Band),<br>FirstNet | <b>5G (NSA &amp; SA) Sub 6Ghz:</b><br>n1, n2, n3, n5, n7, n8, n12, n13,<br>n14, n18, n20, n25, n26, n28, n29,<br>n30, n38, n40, n41, n48, n66, n71,<br>n75, n76, n77, n78, n79 | B1, B2, B3, B4, B5, B7, B8, B12, B13,<br>B14, B17, B18, B19, B20, B25, B26,<br>B28, B29, B30, B32, B34, B38, B39,<br>B40, B41, B42, B43, B46, B48, B66,<br>B71 |

Featured Add-ons

| Product Code        | Description                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------|
| PRM-C-1Y / PCP-C-1Y | PrimeCare C / PrimeCare+ C (1-Year)                                                                                             |
| PRM-C-2Y / PCP-C-2Y | PrimeCare C / PrimeCare+ C (2-Year)                                                                                             |
| PRM-C-4Y / PCP-C-4Y | PrimeCare C / PrimeCare+ C (4-Year)                                                                                             |
| ACW-634             | 10ft / 3m DC Power Cable                                                                                                        |
| ACW-643             | Vehicle Cigarette to Molex Power Cable                                                                                          |
| ACW-791             | Peplink 4-Pin Micro-Fit to USB-C Power Cable                                                                                    |
| ACW-DIN-BR1         | DIN Rail Mount for BR1 Pro and BR1 Mini Series                                                                                  |
| ANT-SLM-40G-S-B-6   | Slim 40G - 4x4 MIMO 5G Ready Cellular Antenna System with GPS (Black)                                                           |
| ANT-MB-42G-S-W-6    | Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (White)                                             |
| ANT-MB-42G-S-B-6    | Mobility 42G - 4x4 MIMO 5G Ready Cellular and Wi-Fi Antenna System with GPS (Black)                                             |
| ANT-MAX             | Antenna MAX - Enclosed with 4x LTE/5G, 2x Wi-Fi, 1x GPS 600-6000MHz, IP67, SMA male (Cellular, GPS), RP-SMA male (Wi-Fi), White |
| ANT-MAX-S           | Antenna MAX S - IP-rated integrated antenna enclosure for hybrid cellular and Starlink Mini connectivity                        |

## Deep Dive

|                              |                                                                                                                                                                                                                                                                                      |                                  |                                                                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Software</b>              | Peplink MAX Firmware                                                                                                                                                                                                                                                                 | <b>Global Positioning System</b> | Integrated GPS<br>Device Location Map<br>Location Tracking Data with InControl 2<br>Fleet Management with InControl 2                                                                                              |
| <b>WAN</b>                   | Support for PPPoE, Static IP, DHCP<br>WAN Link Health Check<br>Bandwidth Allowance Monitor<br>Support for Dynamic DNS services<br>WAN Port Convertible into LAN Port                                                                                                                 | <b>Networking</b>                | NAT and IP Forwarding<br>Static Routes<br>Port Forwarding<br>Many to One, One to One NAT<br>NAT Pool<br>SIP ALG, H.323 ALG<br>UPnP, NAT-PMP                                                                        |
| <b>LAN</b>                   | DHCP Server for LAN Clients<br>Extended DHCP Option<br>DHCP Reservation<br>DNS Proxy for LAN Clients<br>VLAN on LAN Support                                                                                                                                                          | <b>AP Controller</b>             | Support for Pepwave AP Series<br>Auto AP Discovery<br>Auto AP Firmware Management<br>AP Profile Configuration<br>Wi-Fi Usage Statistics                                                                            |
| <b>Security</b>              | Stateful Firewall<br>DoS Prevention<br>Web Blocking                                                                                                                                                                                                                                  | <b>Captive Portal Support</b>    | Support for Wired and Wireless LAN clients<br>Support RADIUS Authentication<br>Time and Usage Quotas on Open Access Mode<br>Built-in Customizable Splash Page                                                      |
| <b>Complete VPN Solution</b> | SpeedFusion VPN/SpeedFusion <ul style="list-style-type: none"> <li>Hot Failover</li> <li>Site-to-Site VPN</li> <li>256-bit AES Encryption</li> <li>Pre-shared Key Authentication</li> <li>Dynamic Routing</li> </ul> X.509 Certificate Support *<br>IPsec VPN (Network-to-Network) ^ | <b>Device Management</b>         | Web Administrative Interface<br>Command Line Interface<br>InControl Cloud Management<br>Email Notification<br>Active Client & Session Lists<br>Bandwidth Usage Statistics<br>Syslog Service<br>SNMP v1, v2c and v3 |
| <b>Advanced QoS</b>          | Individual Bandwidth Limit<br>Application Prioritization <ul style="list-style-type: none"> <li>SIP, HTTPS, VPN QoS</li> <li>Custom Application QoS</li> </ul>                                                                                                                       |                                  |                                                                                                                                                                                                                    |
| <b>Edge Computing</b>        | Support for Applications and Docker                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                                    |

\* Feature is available as an upgrade (MAX-BR1-ADV).

^ IPsec VPN supports connection with Cisco, Juniper, Peplink, or Pepwave devices.