**peplink**

# B One

Impressive Capability with Incredible Value

Taking the best parts of the beloved **Surf SOHO** & **Balance 20** and putting them into one capable device.

Improved **Speeds** & **Wi-Fi**

**Enterprise Software** Features

**Robust** & **Reliable** Connectivity

Great **Value**

**Separate devices** into VLANs

**Multiple** SSIDs

WLAN **Controller**

# B One



## Easy Integration with **Starlink**

- Bond multiple Starlink connections together

- Load Balance your Starlink with other internet services (5G/LTE, Cable, Fiber, FWA)

- Optimize your network with additional features requested specifically by Starlink

## Made for
## **Fixed Wireless Access (FWA)**

- Designed for use with MSP 5G/LTE Gateway devices
  - | Bond various FWA together (AT&T / T-Mobile / Verizon)
  - | Load Balance different internet sources (Cable, Fiber, 5G/LTE)

- Tether your phone with Wi-Fi WAN or USB

## Long Term **Support**

- Firmware is constantly updated to patch vulnerabilities and improve performance

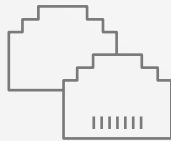- Futureproof your network as Peplink never ends support for older devices

# B One



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## A Game Changer with
## Peplink App

- With a valid PrimeCare subscription, take advantage of all of SpeedFusion features without the need for an advanced network setup

- Easy to set up and use with our Companion App

## Key B One Benefits



**Dual WAN**
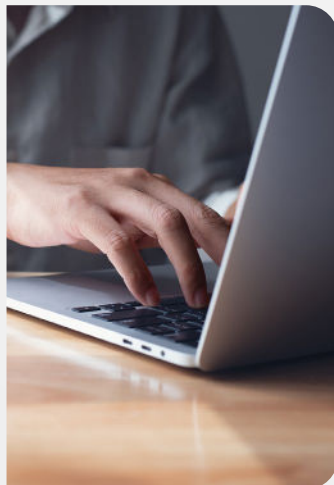architecture keeps you connected even when one of your Internet lines goes down
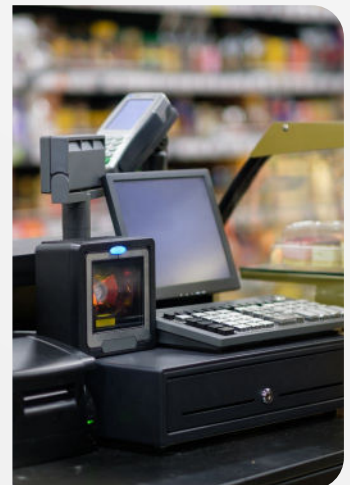


**SpeedFusion**
technology seamlessly bonds multiple Internet connections into one more reliable Internet feed

## Use Cases

**SOHO**



**RETAIL**

# B One

Wi-Fi 6

USB WAN

Power Port
with GPIO

## Specifications

| | | | |
|---|---|---|---|
| **WAN Interface** | 2x 10/100/1000M Ethernet<br>1x USB-C Interface | **Antenna Connectors** | 2x RP-SMA Wi-Fi Antenna Connectors |
| **LAN Interface** | 4x 10/100/1000M Ethernet | **Power Input** | Power Port: 10V – 30V DC<br>AC Adapter: AC Input 100V–240V / DC Output 12V |
| **Wi-Fi Interface** | Simultaneous Dual-Band (2.4GHz / 5GHz)<br>Wi-Fi 6, 2X2 MIMO<br>Wi-Fi WAN and/or AP | **Power Consumption** | 6W (nominal), 15W (max. without USB-C output [3]) |
| | | **Dimension** | 10.31 x 6.33 x 1.31inches / 262 x 161 x 33.5mm |
| **SpeedFusion Features** | Hot Failover [1] / Smoothing [1] /<br>Bandwidth Bonding [1] | **Weight** | 1.6 pounds / 727 grams |
| **Number of<br>SpeedFusion VPN<br>Peers** | 2 / 5 [1] | **Operating Temperature** | -40° – 113°F  / -40° – 45°C |
| | | **Humidity** | 10% – 90% (non-condensing) |
| **Router Throughput** | 1Gbps | **Certification** | FCC, CE, RoHS |
| **SpeedFusion VPN<br>Throughput**<br> **- No Encryption**<br> **- 256-bit AES** | <br><br>400 Mbps<br>200 Mbps | **Package Content** | 1x B One<br>2x Dual Band Wi-Fi Antennas<br>1x 12V 3A 4 Pin Power Supply |
| **Recommended Users** | 1-150 | **Warranty** | 1-Year Limited Warranty |
| **AP Controller** | Standard | | |
| **Maximum Number of<br>AP Supported** | 30 / 50 [2] | | |

[1] Requires a PrimeCare subscription, complimentary for the first year.
[2] Available with licence add-on (AP-LC-50).
[3] USB-C Output : 5V at 2A can be delivered to power the MAX Adapter or other USB dongles for USB WAN.

Specifications are subject to change without notice.

# B One

## Ordering Information

| Product Code | Regions |
|---|---|
| B-ONE-T-PRM | Global |

## Featured Add-on

| Product Code | Description |
|---|---|
| PRM-A-1Y / PCP-A-1Y | PrimeCare A  / PrimeCare+ A (1-Year) |
| PRM-A-2Y / PCP-A-2Y | PrimeCare A  / PrimeCare+ A (2-Year) |
| PRM-A-4Y / PCP-A-4Y | PrimeCare A  / PrimeCare+ A (4-Year) |
| ACW-791 | Peplink 4-Pin to USB-C Power Cable |
| ACW-634 | 10ft DC Power Cable |
| ACW-341 | Dual-Band Indoor Wi-Fi Omni Antenna in Black (RP-SMA) |

# B One

## Deep Dive

| | | | | |
|---|---|---|---|---|
| **Software** | Pepwave MAX Firmware | | **Networking** | NAT and IP Forwarding |
| | | | | Static Routes |
| **WAN** | Support for PPPoE, Static IP, DHCP | | | Port Forwarding |
| | WAN Link Health Check | | | Many to One, One to One NAT |
| | Bandwidth Allowance Monitor | | | NAT Pool |
| | Support for Dynamic DNS services | | | SIP ALG, H.323 ALG |
| | | | | UPnP, NAT-PMP |
| **LAN** | DHCP Server for LAN Clients | | | |
| | Extended DHCP Option | | **AP Controller** | Support for Pepwave AP Series |
| | DHCP Reservation | | | Auto AP Discovery |
| | DNS Proxy for LAN Clients | | | Auto AP Firmware Management |
| | VLAN on LAN Support | | | AP Profile Configuration |
| | | | | Wi-Fi Usage Statistics |
| **Security** | Stateful Firewall | | | |
| | DoS Prevention | | **Captive Portal Support** | Support for Wired and Wireless LAN clients |
| | Web Blocking | | | Support RADIUS Authentication |
| | | | | Time and Usage Quotas on Open Access Mode |
| **Complete VPN Solution** | SpeedFusion VPN/SpeedFusion | | | Built-in Customizable Splash Page |
| | •  Hot Failover | | | |
| | •  Site-to-Site VPN | | **Device Management** | Web Administrative Interface |
| | •  256-bit AES Encryption | | | Command Line Interface |
| | •  Pre-shared Key Authentication | | | InControl Cloud Management |
| | •  Dynamic Routing | | | Email Notification |
| | X.509 Certificate Support | | | Active Client & Session Lists |
| | IPsec VPN (Network-to-Network) | | | Bandwidth Usage Statistics |
| | | | | Syslog Service |
| **Advanced QoS** | Individual Bandwidth Limit | | | SNMP v1, v2c and v3 |
| | Application Prioritization | | | |
| | •  SIP, HTTPS, VPN QoS | | | |
| | •  Custom Application QoS | | | |