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

Separate devices into VLANs

Multiple SSIDs

WLAN **Controller**

Robust & **Reliable** Connectivity

Great **Value**

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

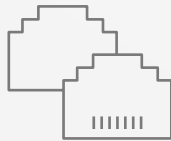- Futureproof your network as Peplink never ends support for older devices

B One

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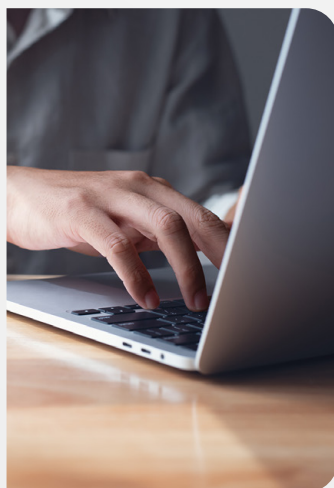
SpeedFusion
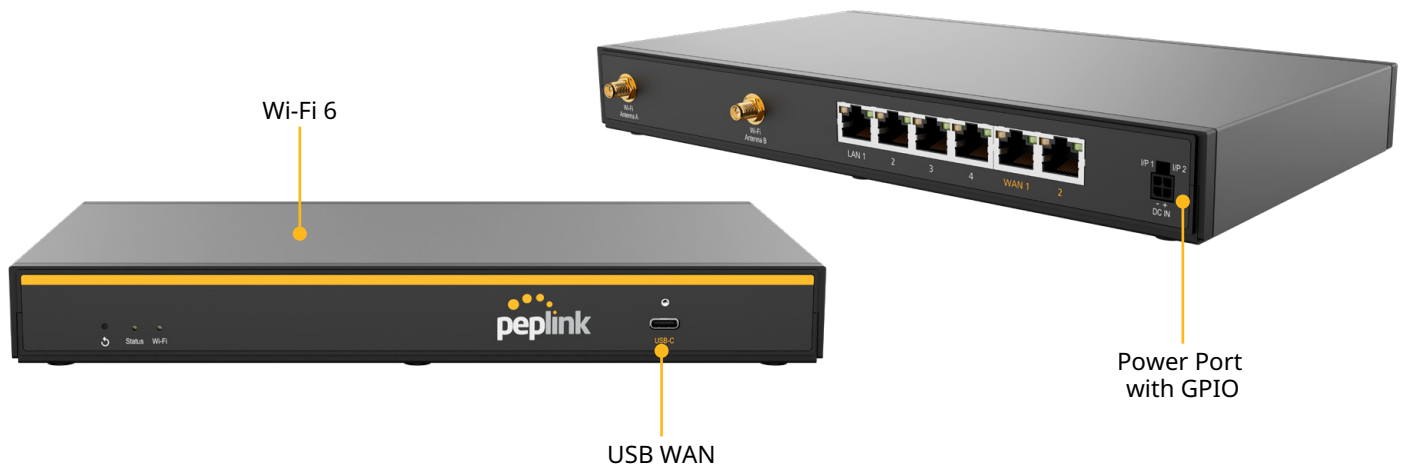technology seamlessly bonds multiple Internet connections into one more reliable Internet feed

Use Cases

SOHO

RETAIL

B One

Wi-Fi 6

USB WAN

Power Port
with GPIO

Specifications

WAN Interface	2x 10/100/1000M Ethernet 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 AC Adapter: AC Input 100V–240V / DC Output 12V
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6, 2X2 MIMO Wi-Fi WAN and/or AP	**Power Consumption**	19W (max.)
		Dimension	10.31 x 6.33 x 1.31inches / 262 x 161 x 33.5mm
SpeedFusion Features	Hot Failover [1] / Smoothing [1] / Bandwidth Bonding [1]	**Weight**	1.6 pounds / 727 grams
Number of SpeedFusion VPN 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 Throughput - **No Encryption** - **256-bit AES**	 400 Mbps 200 Mbps	**Package Content**	1x B One 2x Dual Band Wi-Fi Antennas 1x 12V 3A 4 Pin Power Supply
Recommended Users	1-150	**Warranty**	1-Year Limited Warranty
AP Controller	Standard		
Maximum Number of AP Supported	30 / 50 [2]		

[1] Requires a PrimeCare subscription, complimentary for the first year.
[2] Available with licence add-on (AP-LC-50).
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)

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		