peplink

TAA
COMPLIANT

BOne

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**

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USB-C

Status   Wi-Fi

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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

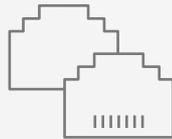- Futureproof your network as Peplink never ends support for older devices

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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

Power Port
with GPIO

USB WAN/External Storage [1]

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**	6W (nominal), 15W (max. without USB-C output [5])
		Dimension	10.31 x 6.33 x 1.31inches / 262 x 161 x 33.5mm
SpeedFusion Features	Hot Failover [2] / Smoothing [2] / Bandwidth Bonding [2]	**Weight**	1.6 pounds / 727 grams
Number of SpeedFusion VPN Peers	2 / 5 / 10 / 20 [3]	**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 (ACW-672)
Recommended Users	1-150	**Warranty**	1-Year Limited Warranty
AP Controller	Standard		
Maximum Number of AP Supported	30 / 50 [4]		

[1] Requires LIC-DOC license and firmware 8.5.2 or above to enable Docker.
[2] Requires a PrimeCare subscription, complimentary for the first year.
[3] 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).
[4] Available with licence add-on (AP-LC-50).
[5] 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.

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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)

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Deep Dive

Software	Pepwave MAX Firmware
WAN	Support for PPPoE, Static IP, DHCP
	WAN Link Health Check
	Bandwidth Allowance Monitor
	Support for Dynamic DNS services
LAN	DHCP Server for LAN Clients
	Extended DHCP Option
	DHCP Reservation
	DNS Proxy for LAN Clients
	VLAN on LAN Support
Security	Stateful Firewall
	DoS Prevention
	Web Blocking
Complete VPN Solution	SpeedFusion VPN/SpeedFusion
	• Hot Failover
	• Site-to-Site VPN
	• 256-bit AES Encryption
	• Pre-shared Key Authentication
	• Dynamic Routing
	X.509 Certificate Support
	IPsec VPN (Network-to-Network)
Advanced QoS	Individual Bandwidth Limit
	Application Prioritization
	• SIP, HTTPS, VPN QoS
	• Custom Application QoS

Networking	NAT and IP Forwarding
	Static Routes
	Port Forwarding
	Many to One, One to One NAT
	NAT Pool
	SIP ALG, H.323 ALG
	UPnP, NAT-PMP
AP Controller	Support for Pepwave AP Series
	Auto AP Discovery
	Auto AP Firmware Management
	AP Profile Configuration
	Wi-Fi Usage Statistics
Captive Portal Support	Support for Wired and Wireless LAN clients
	Support RADIUS Authentication
	Time and Usage Quotas on Open Access Mode
	Built-in Customizable Splash Page
Device Management	Web Administrative Interface
	Command Line Interface
	InControl Cloud Management
	Email Notification
	Active Client & Session Lists
	Bandwidth Usage Statistics
	Syslog Service
	SNMP v1, v2c and v3