peplink



TAA COMPLIANT

BOne Plus

Supercharged Connectivity for Remote Offices and Small Businesses



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

Seamless **Failover**

Backup connections are always ready to kick in instantly

Automated **Load Balancing**

Optimize network performance by with advanced load balancing algorithms

Traffic Steering

Ensure applications don't stutter by prioritizing important network traffic

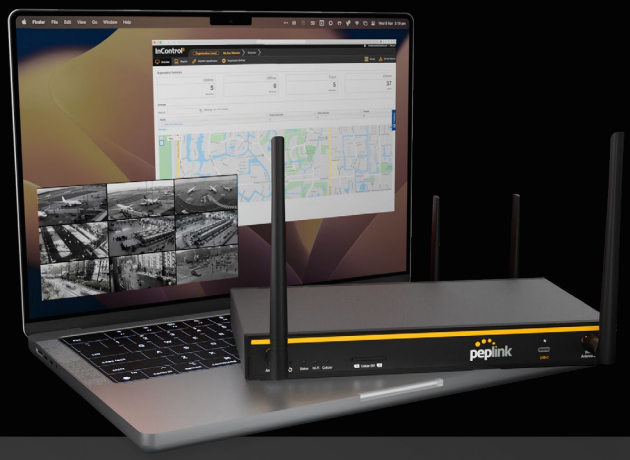
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Built-in cellular modem for triple-redundancy, low-bandwidth and management applications; includes **eSIM** for zero-touch setup

- VOIP, video calls, POS/payment terminals



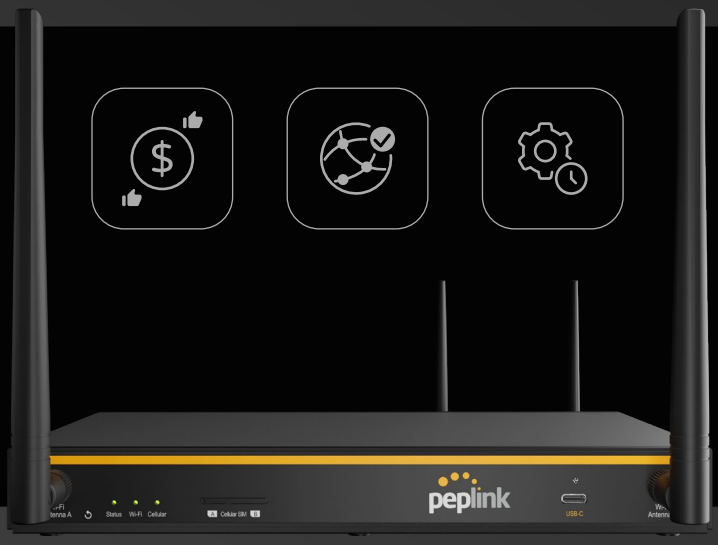


Designed for remote locations, reduce dispatches, site visits, and pre-staging work with **InControl2** and **InTouch**

- Instant Internet connectivity out-of-the-box - SIM or BYO eSIM

Highly cost-effective solution for the most reliable Internet

- Low cost
- Highly reliable
- Long-term support



B One Plus

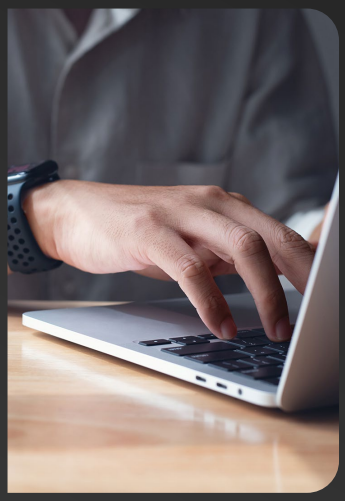


SpeedFusion technology seamlessly bonds multiple Internet connections into one more-reliable Internet feed

Use Cases

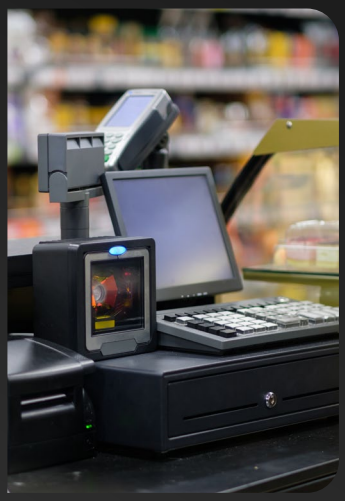
REMOTE OFFICE





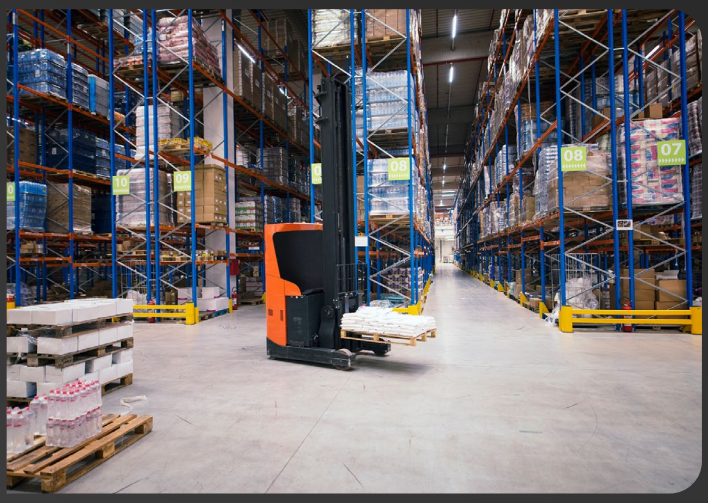
SMALL BUSINESS



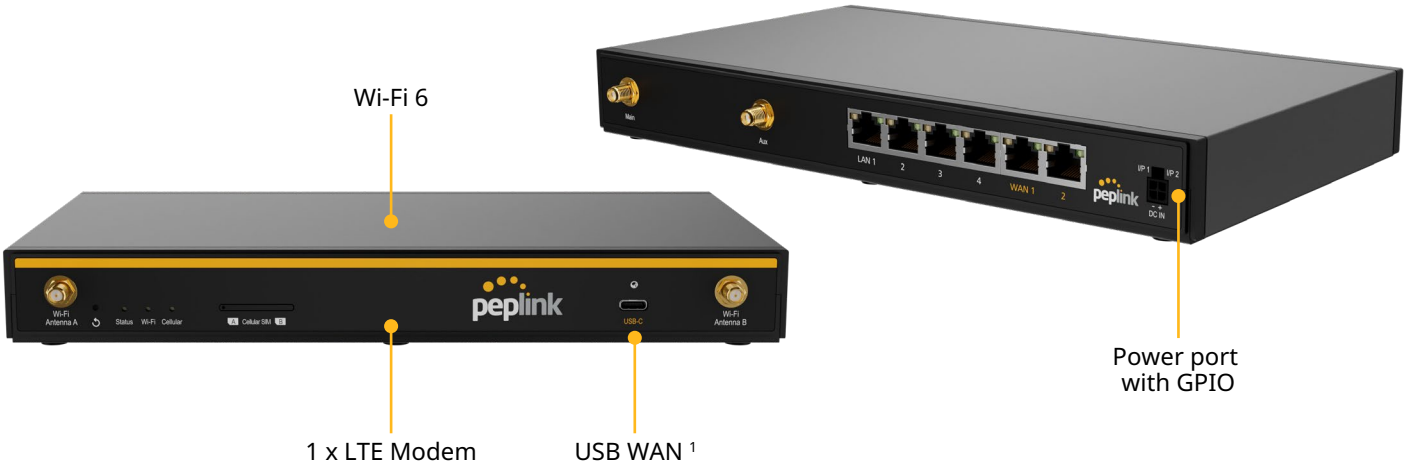


WAREHOUSE





B One Plus



Specifications

WAN Interface	2x 10/100/1000M Ethernet 1x Embedded Cellular Modem with a Redundant SIM Slot 1x USB-C Interface
LAN Interface	4x 10/100/1000M Ethernet
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6, 2X2 MIMO Wi-Fi WAN and/or AP
SpeedFusion features	Hot Failover [2] / Smoothing [2] / Bandwidth Bonding [2]
Number of SpeedFusion VPN Peers	2 / 5 / 10 / 20 [3]
Router Throughput	1Gbps
SpeedFusion VPN Throughput **- No Encryption** **- 256-bit AES**	 400 Mbps 200 Mbps
Recommended Users	1-150
AP Controller	Standard
Maximum Number of AP Supported	30 / 50 [4]
Cellular Data Rate [5] (Downlink / Uplink)	CAT-4: 150 Mbps / 50 Mbps
Antenna Connectors	2x SMA Cellular Connectors 2x RP-SMA Wi-Fi Antenna Connectors
Power Input	Power Port: 10V – 30V DC AC Adapter: AC Input 100V–240V / DC Output 12V
Power Consumption	6W (nominal), 17W (max. without USB-C output [6])
Dimension	10.31 x 6.33 x 1.31 inches / 262 x 161 x 33.5 mm
Weight	1.7 pounds / 761 grams
Operating Temperature	- 40° – 113°F / - 40° – 45°C
Humidity	10% – 90% (non-condensing)
Certifications	FCC, CE, RoHS
Package Content	1x B One Plus 2x LTE/5G Antennas 2x Dual Band Wi-Fi Antennas 1x 12V 3A 4 Pin Power Supply (ACW-672)
SIM Options	Nano-SIM (4FF) Peplink eSIM [7] BYO eSIM (2 profiles) [7] RemoteSIM from SIM Injector [8] FusionSIM [8]
Warranty	1-Year Limited Warranty

[1] Requires FW 8.5.2+ with a perpetual software license (LIC-DOC), or FW 8.6.0+ with active PrimeCare, 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] Theoretical maximum data rates.
[6] USB-C Output : 5V at 2A can be delivered to power the MAX Adapter or other USB dongles for USB WAN.
[7] Models with selected SKU support eSIM. Details can be found here.
[8] RemoteSIM and FusionSIM are compatible with hardware version 2 or above.

Specifications are subject to change without notice.

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Ordering Information

Product Code	Regions^	LTE Bands	3G Bands
B-ONE-PLUS-LTE-US-T-PRM Embedded Modem: **1 x CAT-4**	North America* *US Carrier Certifications: **AT&T, T-Mobile, Verizon, FirstNet**	B2, B4, B5, B12, B13, B14, B66, B71	B2, B4, B5
B-ONE-PLUS-LTE-E-T-PRM Embedded Modem: **1 x CAT-4**	APAC, EMEA	B1, B3, B5, B7, B8, B20, B38, B40, B41	B1, B5, B8
B-ONE-PLUS-LTE-MX-T-PRM Embedded Modem: **1 x CAT-4**	Latin America	B1, B2, B3, B4, B5, B7, B8, B28, B40	B1, B2, B3, B4, B5, B8

^ Regions are for reference only. For specific location compatibility, please refer to the bands.

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	4-Pin Micro-Fit to USB-C Power Cable
ACW-634	10ft / 3m DC Power Cable
ACW-235	Indoor Very Wideband Cellular Antenna
ACW-341	Dual-Band Indoor Wi-Fi Omni Antenna in Black (RP-SMA)
ANT-SLM-22G-S-B-6	Slim 22G - 2x2 MIMO Cellular and Wi-Fi Antenna System with GPS (Black)

B One Plus

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