

Firmware 8.6.0 Beta 2 Release Notes

Release Date: May 7, 2026

Devices Supported

This firmware release supports the following devices:

Balance	20X / Two / 310 5G / 310 Fiber 5G / 310X / 305 HW2 / 380 HW6 / 380X / 580 HW2-3 / 580X / 710 HW3 / 1350 HW2 / 2500 / 1350 EC / 2500 EC / 5000 EC
BR	BR1 Mini HW3 / BR1 Mini Core HW3 / BR1 Mini 5G / BR1 Mini M2M / BR1 Pro HW7 / BR1 Pro 5G / BR2 Pro HW4 / BR2 / BR2 Micro / BR1 IP55 HW4
Transit	Pro E HW2 / Duo Pro
Dome	HD1 Dome Pro / Pro Duo / Pro LR
UBR	UBR Plus
B One	B One / B One Plus / B One 5G
MediaFast	500 / 750
MBX	MBX / MBX Mini
SDX	SDX / SDX Pro
EPX	
PDX	
FusionHub	

Important Notices

- Firmware 8.5.2 or above: SpeedFusion VPN is not compatible with devices running Firmware 8.0.0 or below.
- AP Controller users with the Wi-Fi Operating Country set to Taiwan or Brazil must review their Wi-Fi channel configuration and reapply the settings
- **InControl** must be enabled on **PrimeCare** devices to update software features such as SpeedFusion (Bonding, Smoothing, Hot Failover).

New Features

Reference	Description	Device Supported
36233	[Beta 2] [WAN] Added OneWeb integration support.	All Models
27016	[Beta 2] [Remote User Access] Added WireGuard as a Remote User Access VPN option.	All Models
28594	[Beta 1] [SpeedFusion VPN] Added SpeedFusion Boost to improve application performance over SpeedFusion connections using Starlink, 5G, and other suitable WAN links. (Included in: 8.5.4s005, 8.5.3s173, 8.5.3s153)	All Models
29011	[Beta 1] [Wi-Fi AP] Added support for RADIUS over TLS (RadSec). (Included in: 8.5.1s144, 8.5.1s142, 8.5.1s117)	Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome B One: All UBR: Plus MBX, PDX

Improvements

Reference	Description	Device Supported
28965	[Beta 2] [Cellular & 5GD] Added 5G SA support for 5GD cellular modules. (Included in: 8.5.4s011, 8.5.3s125, 8.5.3s036)	Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GD)
36549	[Beta 2] [Cellular & 5GK / 5GN] Added framed routing support for 5GK / 5GN cellular modules (Included in: 8.5.4s082, 8.5.4s057)	Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GK/5GN)
33106	[Beta 2] [Synergy Mode & Wi-Fi 6] Added support for managing Wi-Fi APs on supported Synergized Devices through AP Controller.	Synergized Device: BR1/2 Pro, Transit Series, Dome Series, B One Series Synergy Controller: Balance, BR, B One, MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX

<p>11430</p>	<p>[Beta 2] [Cellular MTU] Updated Cellular WAN MTU handling to apply the network-provided MTU value when it is lower than the Web UI configured value.</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Except devices with product codes containing LTE-SB)</p>
<p>34892</p>	<p>[Beta 1] [System] Added a new CLI command to display cellular status across supported modem types.</p>	<p>All Models</p>
<p>33283</p>	<p>[Beta 1] [Cellular] Added a one-click option to erase all SMS messages stored on a SIM.</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>35633</p>	<p>[Beta 1] [Synergy Mode] Added a secure fallback certificate for Synergy TLS connections to maintain compatibility with older peers. (Included in: 8.5.3s139, 8.5.3s127, 8.5.2s155)</p>	<p>Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance, BR, B One, MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX</p>

35037	[Beta 1] [Device API] Added API support for uploading and downloading configuration files using token-based authentication. (Included in: 8.5.4s029)	All Models
33801	[Beta 1] [BR1 Mini 5G] Added Ethernet port status monitoring for BR1 Mini 5G models.	BR1 Mini 5G
23046	[Beta 1] [Firewall] Added firewall log entries with the matching rule name.	All Models
34798	[Beta 1] [DPI] Added improved OpenVPN detection in DPI, including traffic on non-standard ports.	All Models
34968	[Beta 1] Added Jumbo Frame support for selected models. (Included in: 8.5.4s019)	BR: BR1/2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: All
36097	[Beta 1] [B580X HW2] Added LACP support on Balance 580X HW2.	Balance: 580X HW2
34777	[Beta 1] [DPI] Added logging for sessions blocked by IDS and DoS protection.	All Models
35267	[Beta 1] [WAN] Added per-WAN bandwidth limiting to let each WAN interface be rate-limited independently.	All Models
32866	[Beta 1] [Wi-Fi] Added PPSK names to the wireless client list so admins can identify which passphrase each client used.	Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome B One: All UBR: Plus MBX, PDX

34932	[Beta 1] [FusionHub] Added SSH and CLI access to FusionHub for token and authentication management.	FusionHub
34909	[Beta 1] [Starlink] Added Starlink WAN health check behavior that uses 8.8.8.8 and 1.1.1.1 as default test destinations when the first two DNS servers are selected. (Included in: 8.5.4s015, 8.5.3s029, 8.5.3s015)	All Models (Except FusionHub)
35589	[Beta 1] [Wi-Fi AP] Added support for advertising metered Wi-Fi connections in beacon frames for AP and controller-managed SSIDs.	Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome B One: All UBR: Plus MBX, PDX
35365	[Beta 1] [Docker] Added support for automated Docker container and image removal actions. (Included in: 8.5.3s072, 8.4.1s069)	Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 EC, 5000 EC BR: BR2 Pro Transit: Duo Pro, Pro E MediaFast: 500, 750 MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (with EXM-LCDDT)
30750	[Beta 1] [USB WAN] Added support for automatic Ethernet detection on all USB modem ports.	Balance: All BR: BR2 Pro B One: B One, B One 5G/Plus MediaFast: All MBX, MBX Mini, SDX, SDX Pro
30572	[Beta 1] [Cellular] Added support for configurable 5G signal strength thresholds on supported cellular modems. (Included in: 8.5.4s014, 8.5.3s190, 8.5.3s186)	Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX

<p>34145</p>	<p>[Beta 1] [Cellular & 5GN] Added support for DHCP relay and routing behind the mobile station on supported 5GN cellular in IP forwarding mode. (Included in: 8.5.3s003, 8.5.2s031)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GN)</p>
<p>35204</p>	<p>[Beta 1] [eSIM] Added support for displaying BYO eSIM details in Synergy mode. (Included in: 8.5.3s043)</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>
<p>35571</p>	<p>[Beta 1] [B One] Added support for Edge Compute on B One Series devices when PrimeCare is active.</p>	<p>B One: B One, B One Plus/5G</p>
<p>34293</p>	<p>[Beta 1] [Wi-Fi AP] Added support for enabling or disabling specific Wi-Fi data rates on each AP radio.</p>	<p>Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome B One: All UBR: Plus MBX, PDX</p>

8003	[Beta 1] [SNMP] Added support for exporting GPS information through SNMP.	All Models
36288	[Beta 1] [FusionHub] Added support for graceful shutdown and reboot handling in FusionHub on Proxmox. (Included in: 8.5.4s064)	FusionHub
22390	[Beta 1] [System] Added support for IEEE 802.1p CoS values on VLAN-tagged and virtual VLAN WAN interfaces. (Included in: 8.5.4s026, 8.5.2s096)	All Models
33576	[Beta 1] [System] Added support for importing BGP routes only when they originate from a specified ASN. (Included in: 8.5.1s058)	All Models
35603	[Beta 1] [InTouch] Added support for monitoring USB serial adapters and connected serial ports so InTouch can report connection state and timeout events. (Included in: 8.5.3s152)	All Models
36088	[Beta 1] [Virtual WAN on VLAN] Added support for one Virtual VLAN WAN on select PrimeCare router models. (Included in: 8.5.4s010)	All Models * Includes one Virtual WAN on VLAN for models with PrimeCare
35602	[Beta 1] [QoS] Added support for per-WAN bandwidth limiting on WAN interfaces so configured upload and download limits can be enforced on actual traffic.	All Models
35316	[Beta 1] [System] Added support for raw TCP connections from the CLI to Ethernet-to-Serial servers.	All Models
36201	[Beta 1] [System] Added support for redistributing BGP default routes to OSPF. (Included in: 8.5.4s028, 8.5.4s027)	All Models

<p>32160</p>	<p>[Beta 1] [Cellular] Added support for SMS control messages sent through supported SIM provider portals. (Included in: 8.5.3s107, 8.5.2s106, 8.4.1s063)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>35094</p>	<p>[Beta 1] [LAN] Added support for static routes that resolve through a domain name.</p>	<p>All Models</p>
<p>35650</p>	<p>[Beta 1] [eSIM] Added support for the newer GSMA eSIM profile format used by some providers. (Included in: 8.5.3s140)</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>
<p>25032</p>	<p>[Beta 1] [AP Controller] Added support for tri-band external APs and integrated APs in the AP Controller.</p>	<p>Balance: All BR: All Transit: Duo Pro, Pro E UBR: Plus B One: B One, B One 5G/Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>36461</p>	<p>[Beta 1] [GPIO] Added support for triggering a factory reset using a GPIO input.</p>	<p>BR: BR1/2 Pro, BR1 Mini HW3, BR1 Mini 5G/Core, BR2 Micro, BR2 B One: B One, B One 5G/Plus MBX, MBX Mini</p>

35572	[Beta 1] [SpeedFusion VPN] Added support for up to 1000 SpeedFusion peers on B1350 EC devices.	Balance: 1350 EC
34964	[Beta 1] [Synergy Mode] Added support for up to 40 Synergy WAN connections on selected models. (Included in: 8.5.4s045, 8.5.3s012)	Synergy Controller: Balance: Two, 305, 380, 580, 710 1350, 2500, 310 5G/Fiber 5G, 310X, 380X, 580X, 1350 EC, 2500 EC MediaFast: 500, 750 SDX, SDX Pro, PDX, EPX
36198	[Beta 1] [System] Added WAN failover event logs for entering and exiting backup state.	All Models
35677	[Beta 1] [System] Added WAN names to Status > Ethernet Port Details and the API for easier port identification.	All Models
34409	[Beta 1] Enabled permanent FIPS support on eligible devices.	All models, except: - Balance 20X - B One Series - BR1 Mini Series - Any other models with SKUs containing: 5GN, LTE-E, LTE-EU, LTE-EJ, LTE-MX, LTE-MXS, LTE-US, or LTEA-D
35631	[Beta 1] [FusionHub] Fixed an issue where FusionHub could reach the maximum number of concurrent sessions (Included in: 8.5.3s128)	FusionHub

<p>32297</p>	<p>[Beta 1] [Cellular & 5GN] Improved Cellular WAN startup time after boot. (Included in: 8.4.1s092, 8.4.1s083)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GN)</p>
<p>34948</p>	<p>[Beta 1] [Cellular & 5GN] Improved cellular WAN startup time by skipping an unnecessary carrier selection command when automatic selection is already active. (Included in: 8.5.4s031, 8.5.3s134, 8.5.3s083)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GN)</p>
<p>34958</p>	<p>[Beta 1] [Wi-Fi WAN] Improved Wi-Fi WAN roaming to reduce interruptions during handoff. (Included in: 8.5.0s107, 8.5.0s104, 8.5.0s102)</p>	<p>Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome: All B One: All UBR: Plus MBX, PDX</p>
<p>36073</p>	<p>[Beta 1] [eSIM] Updated Peplink eSIM carrier name display for better identification of connected networks</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>

<p>35008</p>	<p>[Beta 1] [System] Updated security standards now require stronger certificates and keys. Older, weaker certificates and keys, such as DSA, small RSA keys, or legacy PKCS#12 files, are no longer supported.</p> <p>If an outdated certificate is detected, the device will automatically use the "secure default certificate" to maintain protection.</p> <p>Please review "Certificate Manager" and replace any outdated certificates with modern, secure versions.</p>	<p>All Models</p>
<p>25806</p>	<p>[Beta 1] [Web UI] Updated the front panel display in the Web UI.</p>	<p>Balance: 2500 EC, 5000 EC BR: BR1/2 Pro, BR1 Mini/Mini 5G/Core/M2M, BR2 Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: All UBR: Plus PDX</p>
<p>33923</p>	<p>[Beta 1] [Synergy Mode] Updated the transport method used by Synergy WAN on physical Ethernet Synergy Links.</p> <p>Note: This change has been reverted in Beta 2. An option to choose the Synergy WAN transport method is planned for an upcoming Beta 3 release.</p>	<p>Synergized Device: Balance, MAX, MediaFast, UBR: All PDX</p> <p>Synergy Controller: Balance, BR, B One, MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX</p>

Resolved Issues

Reference	Description	Device Supported
36552	[Beta 2] [Cellular] Fixed an issue where Cellular WAN DHCP lease renewal could fail intermittently.	Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX
36542	[Beta 2] [Cellular & LTE / LTEA] Fixed an issue where Cellular WAN might not reconnect after switching to the next manually selected carrier. (Fixed in: 8.5.3s196, 8.5.3s170, 8.5.3s155)	Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains LTE / LTEA)
36391	[Beta 2] [System] Fixed an issue where DHCP relay might not forward requests to all configured DHCP servers.	All Models
36520	[Beta 2] [System] Fixed an issue where IP passthrough might stop working after enabling Layer 2 SpeedFusion VPN. (Fixed in: 8.5.4s078)	All Models
36566	[Beta 2] [Starlink] Fixed an issue where Starlink WAN status might disappear after the Data Pool limit was reached.	All Models (Except FusionHub)
36564	[Beta 2] [USB] Fixed an issue where USB mobile WAN might not work on USB 3.0 ports.	Balance: 1350 EC

<p>29520</p>	<p>[Beta 1] [SpeedFusion VPN] Added support for preserving updated IP ToS values after SpeedFusion tunnel decapsulation. (Fixed in: 8.5.4s069, 8.5.3s016, 8.4.1s105)</p>	<p>All Models</p>
<p>35386</p>	<p>[Beta 1] [IPsec] Enabled IPsec VPN profiles to show a certificate summary instead of the saved remote certificate content. (Fixed in: 8.5.3s080)</p>	<p>All Models</p>
<p>36080</p>	<p>[Beta 1] [Starlink] Enabled management-only mode for Starlink WANs when an overage restriction is detected.</p>	<p>All Models (Except FusionHub)</p>
<p>35429</p>	<p>[Beta 1] [Wi-Fi AP] Enabled WPA2/WPA3 Personal as the default SSID security mode on supported Wi-Fi AP devices.</p>	<p>Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome B One: All UBR: Plus MBX, PDX</p>
<p>35068</p>	<p>[Beta 1] [Cellular & 5GK] Fixed 5GK Cellular startup behavior so eSIM activation works reliably on affected firmware. (Fixed in: 8.5.3s094, 8.5.3s027)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GK)</p>

<p>34634</p>	<p>[Beta 1] [Cellular] Fixed a delay that could postpone cellular reconnection after switching network modes.</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>35427</p>	<p>[Beta 1] Fixed a LAN/WAN interface crash that could occur under sustained packet flooding on BR2 LTE devices. (Fixed in: 8.5.3s162)</p>	<p>BR: BR1 Mini/Mini 5G/Core/M2M, BR2</p>
<p>35778</p>	<p>[Beta 1] [Cellular] Fixed a long delay when refreshing WAN Restriction rules in WAN Restriction mode. (Fixed in: 8.5.3s160, 8.4.1s147, 8.4.1s045)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>33364</p>	<p>[Beta 1] [MediaFast] Fixed a MediaFast issue that could cause the web proxy service to consume memory and restart unexpectedly. (Fixed in: 8.5.1s031)</p>	<p>MediaFast: All</p>
<p>35592</p>	<p>[Beta 1] [Cellular & 5GD] Fixed a mobile data connection issue on 5GD Cellular using France Orange 20801 by using an IPv4-only connection mode. (Fixed in: 8.5.3s126)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GD)</p>

<p>35071</p>	<p>[Beta 1] [Cellular & 5GK / 5GP] Fixed a modem health-check crash that could occur when FN990 is connected in 5G mode. (Fixed in: 8.5.3s094, 8.5.3s027)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GK/5GP)</p>
<p>32281</p>	<p>[Beta 1] [System] Fixed a QoS issue that could affect system stability (Fixed in: 8.4.1s116, 8.4.1s088)</p>	<p>All Models</p>
<p>35496</p>	<p>[Beta 1] Fixed a stability issue on BR2 devices that could cause modem monitoring crashes, freezes, and system hangups. (Fixed in: 8.5.3s196, 8.5.3s170, 8.5.3s155)</p>	<p>BR: BR1 Mini/Mini 5G/Core/M2M, BR2</p>
<p>35587</p>	<p>[Beta 1] [B580X HW2] Fixed a stability issue that could cause Balance 580X HW2 devices to restart unexpectedly. (Fixed in: 8.5.4s072, 8.5.4s065, 8.5.4s061)</p>	<p>Balance: 580X HW2</p>
<p>32158</p>	<p>[Beta 1] [System] Fixed a stability issue that could occur during certain packet processing conditions.</p>	<p>All Models</p>
<p>34502</p>	<p>[Beta 1] [System] Fixed a WebUI freeze that could occur when changing WAN bandwidth settings. (Fixed in: 8.5.2s139)</p>	<p>All Models</p>
<p>36314</p>	<p>[Beta 1] [DPI] Fixed Amazon Video blocking so it no longer interferes with access to Amazon shopping sites.</p>	<p>All Models</p>

<p>36047</p>	<p>[Beta 1] [eSIM] Fixed an issue on 5GD Cellular where BYO eSIM settings could be missing in the web interface when a non-Webbing SIM was in use.</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>
<p>34794</p>	<p>[Beta 1] [DPI] Fixed an issue that could affect system stability when processing DNS inspection traffic (Fixed in: 8.5.4s075, 8.5.2s146)</p>	<p>All Models</p>
<p>34167</p>	<p>[Beta 1] [System] Fixed an issue that could cause DNS queries to fail with a port unreachable response during boot.</p>	<p>All Models</p>
<p>35538</p>	<p>[Beta 1] [MediaFast] Fixed an issue that could cause the MediaFast cache service to restart. (Fixed in: 8.5.3s112)</p>	<p>MediaFast: All</p>
<p>35900</p>	<p>[Beta 1] [Edge Computing] Fixed an issue that could prevent the ContentHub file manager from loading files correctly. (Fixed in: 8.5.3s188)</p>	<p>Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 EC, 5000 EC MAX: BR2 Pro, Transit Duo Pro, Transit Duo Pro E, MBX Mini, HD2/4 MBX MediaFast: 500, 750 PDX, SDX, SDX Pro, EPX (with EXM-LCDDT)</p>
<p>35788</p>	<p>[Beta 1] [Wi-Fi AP] Fixed an issue where 32-character SSIDs were not shown correctly in SSID usage reporting.</p>	<p>Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome B One: All UBR: Plus MBX, PDX</p>

<p>35477</p>	<p>[Beta 1] [Cellular] Fixed an issue where 5GH cellular could miss cellular mode information and fail to start a data connection. (Fixed in: 8.5.4s031, 8.5.3s134, 8.5.3s083)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>34626</p>	<p>[Beta 1] [Cellular & 5GN] Fixed an issue where 5GN cellular modules could revert to automatic RAT mode after carrier selection.</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GN)</p>
<p>36476</p>	<p>[Beta 1] [System] Fixed an issue where a firmware upgrade could generate an incorrect “Powered Off” event log.</p>	<p>All Models</p>
<p>35224</p>	<p>[Beta 1] [RemoteSIM] Fixed an issue where a RemoteSIM connection could be dropped after a cellular reconnect. (Fixed in: 8.5.3s051, 8.5.3s045, 8.5.3s030)</p>	<p>Balance: 310 5G, 20X, 310X, 380X, 580X BR: BR1/2 Pro, BR1 Mini 5G Transit: Duo Pro, Pro E Dome: All B One: 5G, Plus UBR: Plus MBX, PDX</p>

<p>35271</p>	<p>[Beta 1] [Starlink] Fixed an issue where a vWAN configured for Starlink could stop being recognized as Starlink after a reboot or dish update. (Fixed in: 8.5.4s012, 8.5.3s049, 8.5.2s151)</p>	<p>All Models (Except FusionHub)</p>
<p>34940</p>	<p>[Beta 1] [BR1 Mini 5G] Fixed an issue where BR1 Mini 5G could fail to retrieve a RemoteSIM after PoE was disabled and re-enabled on the remote SIM proxy. (Fixed in: 8.5.3s051, 8.5.3s045, 8.5.3s030)</p>	<p>BR1 Mini 5G</p>
<p>35152</p>	<p>[Beta 1] [Synergy Mode] Fixed an issue where BYO eSIM details were not shown for synergized devices in Synergy Controller. (Fixed in: 8.5.3s043)</p>	<p>Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance, BR, B One, MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX</p>
<p>36455</p>	<p>[Beta 1] Fixed an issue where cellular firmware upgrades were not supported on selected cellular modules.</p>	<p>BR: BR1 Mini/Mini 5G/Core/M2M, BR2</p>
<p>35221</p>	<p>[Beta 1] [Cellular & LTEA-B / LTEA-Q] Fixed an issue where cellular firmware upgrades were not working on LTEA-B and LTEA-Q cellular modules.</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains LTEA-B / LTEA-Q)</p>
<p>34803</p>	<p>[Beta 1] [Cellular] Fixed an issue where cellular modem commands could fail during eSIM or diagnostic activity and trigger an unnecessary reset. (Fixed in: 8.5.3s068, 8.5.3s062, 8.5.3s048)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>

<p>34346</p>	<p>[Beta 1] [Cellular] Fixed an issue where Cellular WAN might not reconnect after a data connection failure. (Fixed in: 8.5.3s202, 8.5.2s086, 8.5.2s072)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>33920</p>	<p>[Beta 1] [Switch Controller] Fixed an issue where changing a switch port's PVID might not apply properly.</p>	<p>Balance: All MAX: BR1 Pro 5G/HW7, BR2, BR2 Pro, 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All UBR: Plus B One: B One, B One 5G/Plus PDX, SDX, SDX Pro, EPX</p>
<p>34741</p>	<p>[Beta 1] [System] Fixed an issue where CLI ping and arping command output could show incorrect interface names.</p>	<p>All Models</p>
<p>35218</p>	<p>[Beta 1] [SpeedFusion VPN] Fixed an issue where DNS resolution over SpeedFusion might stop working after WAN connectivity is restored. (Fixed in: 8.5.3s056)</p>	<p>All Models</p>
<p>36265</p>	<p>[Beta 1] [Docker] Fixed an issue where Docker containers could consume excessive CPU resources.</p>	<p>Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 EC, 5000 EC BR: BR2 Pro Transit: Duo Pro, Pro E MediaFast: 500, 750 MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (with EXM-LCDDT)</p>

<p>36301</p>	<p>[Beta 1] [IPsec] Fixed an issue where IPsec status checks could cause the device to become unresponsive.</p>	<p>All Models</p>
<p>34941</p>	<p>[Beta 1] [Cellular & LTEA-Q] Fixed an issue where LTEA-Q Cellular could fail to switch to the Verizon profile after a network mode change. (Fixed in: 8.5.3s007)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains LTEA-Q)</p>
<p>36036</p>	<p>[Beta 1] [Wi-Fi AP] Fixed an issue where radios could fail to start correctly when auto channel width was used on certain channels. (Fixed in: 8.5.4s063)</p>	<p>Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome B One: All UBR: Plus MBX, PDX</p>
<p>35543</p>	<p>[Beta 1] [Cellular] Fixed an issue where some devices could select the wrong SIM when SIM detection hardware was unavailable but SIM information was still readable. (Fixed in: 8.5.3s116)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>36242</p>	<p>[Beta 1] [Switch Controller] Fixed an issue where switch port settings could revert to default after the controller rebooted.</p>	<p>Balance: All MAX: BR1 Pro 5G/HW7, BR2, BR2 Pro, 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All UBR: Plus B One: B One, B One 5G/Plus PDX, SDX, SDX Pro, EPX</p>

35560	[Beta 1] [SpeedFusion Connect] Fixed an issue where switching from an unlimited SFC data plan to a metered plan could incorrectly deplete the remaining quota.	All Models (Except FusionHub)
36166	[Beta 1] [Synergy Mode] Fixed an issue where Synergized device traffic could be dropped by Weighted Balance outbound policies when all selected WANs were unavailable.	Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance, BR, B One, MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX
34894	[Beta 1] [Captive Portal] Fixed an issue where the captive portal might not appear and Internet access was unavailable. (Fixed in: 8.5.2s141)	All Models (Except FusionHub)
36478	[Beta 1] [B580X HW2] Fixed an issue where the interface mapping could be incorrect on Balance 580X HW2.	Balance: 580X HW2
34223	[Beta 1] [Cellular] Fixed an issue where the Web UI did not mask the operator connection password when operator selection was set to Auto.	Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX

<p>35032</p>	<p>[Beta 1] [USB WAN] Fixed an issue where USB WAN port assignment and DNS settings could revert after reboot. (Fixed in: 8.5.3s094, 8.5.3s052, 8.5.3s042)</p>	<p>Balance: All BR: BR2 Pro B One: B One, B One 5G/Plus MediaFast: All MBX, MBX Mini, SDX, SDX Pro</p>
<p>35733</p>	<p>[Beta 1] [Docker] Fixed an issue with Docker image pulls when using very long registry passwords. (Fixed in: 8.5.3s158)</p>	<p>Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 EC, 5000 EC BR: BR2 Pro Transit: Duo Pro, Pro E MediaFast: 500, 750 MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (with EXM-LCDT)</p>
<p>35417</p>	<p>[Beta 1] [Captive Portal] Fixed captive portal data usage reporting when the same client MAC address appears on multiple VLANs. (Fixed in: 8.5.3s143)</p>	<p>All Models (Except FusionHub)</p>
<p>34982</p>	<p>[Beta 1] [Cellular] Fixed cellular connectivity on the Celona network by using IPv4 data settings when required. (Fixed in: 8.4.1s178)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>34890</p>	<p>[Beta 1] [Cellular & 5GK / 5GP] Fixed cellular signal reporting so SINR is shown only when valid and LTE and 5G NR values are interpreted correctly. (Fixed in: 8.5.3s095)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GK/5GP)</p>

<p>35038</p>	<p>[Beta 1] [System] Fixed client status reporting so offline LAN devices are no longer shown as online. (Fixed in: 8.5.3s172)</p>	<p>All Models</p>
<p>35425</p>	<p>[Beta 1] [GPS] Fixed corrupted GPS RMC output after GPS week rollover handling.</p>	<p>Balance: 20X, 310X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX</p>
<p>35649</p>	<p>[Beta 1] [DNS Proxy] Fixed DNS over HTTPS (DoH) connectivity with Quad9 DNS servers. (Fixed in: 8.5.3s188)</p>	<p>All Models (Except FusionHub)</p>
<p>34657</p>	<p>[Beta 1] [eSIM] Fixed eSIM device information so it is reported correctly to the carrier service. (Fixed in: 8.5.3s062)</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>
<p>36313</p>	<p>[Beta 1] [GPS] Fixed GPS Forwarding so invalid location samples no longer affect stationary interval handling. (Fixed in: 8.5.4s062)</p>	<p>Balance: 20X, 310X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX</p>
<p>34711</p>	<p>[Beta 1] [DPI] Fixed intermittent cases where Web Blocking failed to block certain websites. (Fixed in: 8.5.3s075)</p>	<p>All Models</p>
<p>35284</p>	<p>[Beta 1] [SpeedFusion VPN] Fixed intermittent Domain Lookup Policy failures for SpeedFusion connections. (Fixed in: 8.5.3s056)</p>	<p>All Models</p>

<p>36197</p>	<p>[Beta 1] [Cellular] Fixed intermittent SMS sending failures on LTE-E cellular. (Fixed in: 8.5.4s025)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>36096</p>	<p>[Beta 1] [Cellular] Fixed missing event logs and improved SIM failover handling when a SIM cannot be read. (Fixed in: 8.5.4s008)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>35458</p>	<p>[Beta 1] [eSIM] Fixed missing monthly and billing history for BYO eSIM and Peplink eSIM usage records. (Fixed in: 8.5.3s100)</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>
<p>35199</p>	<p>[Beta 1] [System] Fixed multicast relay so forwarded frames use the outgoing interface's MAC address as the source. (Fixed in: 8.5.3s101)</p>	<p>All Models</p>
<p>34824</p>	<p>[Beta 1] [Outbound Policy] Fixed outbound policy DNS handling so hostnames with many resolved addresses are recorded correctly.</p>	<p>All Models (Except FusionHub)</p>

<p>35028</p>	<p>[Beta 1] [RemoteSIM] Fixed RemoteSIM control port detection on BR1 Mini 5G after the USB controller is reset. (Fixed in: 8.5.3s051, 8.5.3s045, 8.5.3s030)</p>	<p>Balance: 310 5G, 20X, 310X, 380X, 580X BR: BR1/2 Pro, BR1 Mini 5G Transit: Duo Pro, Pro E Dome: All B One: 5G, Plus UBR: Plus MBX, PDX</p>
<p>34771</p>	<p>[Beta 1] [Cellular] Fixed scheduled nearby cell tower scans so they return results even when the SIM PIN is locked and unverified.</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>34929</p>	<p>[Beta 1] [eSIM] Fixed SIM failover so devices can switch to Peplink eSIM when cloud access is unavailable. (Fixed in: 8.5.3s034)</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>
<p>34578</p>	<p>[Beta 1] [SpeedFusion VPN] Fixed SpeedFusion profiles not loading after an HA master reboot when no WAN is available.</p>	<p>All Models</p>

<p>36204</p>	<p>[Beta 1] [Starlink] Fixed Starlink detection to avoid falling back to a conflicting local address and prevent prolonged detection outages. (Fixed in: 8.5.4s030)</p>	<p>All Models (Except FusionHub)</p>
<p>36112</p>	<p>[Beta 1] [Cellular] Fixed the Japan carrier profile for Rakuten Mobile SIMs so the correct carrier name and APN are shown.</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX</p>
<p>36300</p>	<p>[Beta 1] [MBX Mini] Fixed Wi-Fi status LEDs so they stay off when Wi-Fi WAN and Wi-Fi AP are disabled.</p>	<p>MAX: MBX Mini</p>
<p>36319</p>	<p>[Beta 1] [Wi-Fi WAN] Fixed Wi-Fi WAN latency information so it displays correctly when the connection is available.</p>	<p>Balance: 20X, 310 Fiber 5G BR: All (Exclude: Mini 5G/Core, Micro) Transit: All Dome: All B One: All UBR: Plus MBX, PDX</p>
<p>34989</p>	<p>[Beta 1] [DPI] Fixed Yandex Alice traffic recognition so it is properly identified and routed. (Fixed in: 8.5.3s073)</p>	<p>All Models</p>

<p>35747</p>	<p>[Beta 1] [HA] Improved HA configuration synchronization by reducing the update interval to 2 minutes. (Fixed in: 8.5.3s154)</p>	<p>All Models (Except FusionHub)</p>
<p>33549</p>	<p>[Beta 1] [HA] Resolved an issue where the HA LAN administration IP address was not updated after a LAN IP change.</p>	<p>All Models (Except FusionHub)</p>
<p>35658</p>	<p>[Beta 1] [Cellular & 5GK] Resolved disconnects on 5GK Cellular in CBRS private networks by disabling IMS when it is not needed. (Fixed in: 8.5.3s150)</p>	<p>Balance: 20X, 310 5G/Fiber 5G, 310X, 380X, 580X BR: All Transit: All B One: B One 5G/Plus UBR: Plus MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains 5GK)</p>
<p>35691</p>	<p>[Beta 1] [eSIM] Updated the eSIM status message to No Peplink eSIM Data when eSIM data is exhausted.</p>	<p>Balance: 20X HW3, 310X HW3, 310 5G, 380X, 580X BR: BR1 Pro 5G/Pro HW7, BR2 Pro Transit: Duo Pro, Pro E Dome: HD1 Dome Pro, Pro Duo, Pro LR B One: B One Plus/5G UBR: Plus MBX HW4, MBX Mini, EPX, SDX Pro, SDX</p>

Known Issues

Reference	Description	Device Supported
32620	[System] LAN clients in ports 1 or 2 may fail to obtain an IP with Multiple IP passthrough WAN support	All Models
30858	[Docker] Docker container cannot be run on a device that doesn't have an active DHCP server running	Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 EC, 5000 EC BR: BR2 Pro Transit: Duo Pro, Pro E MediaFast: 500, 750 MBX, MBX Mini, PDX, SDX, SDX Pro, EPX (with EXM-LCDD)
29679	[System] YouTube blocking may not work if YouTube traffic is using QUIC	All Models
36499	High Availability "Resume Master Role Upon Recovery" may not work as expected.	All Models (Except FusionHub)

Appendix

- Starting with Firmware 8.6.0, the following models are no longer supported. They will continue to receive Firmware 8.5.x maintenance releases as needed.

Balance	30 LTE HW3 / 30 Pro HW1 / 210 HW4-5 / 310 HW4 / One HW1-3 / One Core HW1
MAX	700 HW3-4 / BR1 ENT HW1-2 / HD1 Dome HW1 / HD2 HW5-6 / HD2 Dome HW1 / HD2 IP67 HW2-5 / HD2 Mini HW1-4 / HD2 with MediaFast HW1-4 / HD4 HW1-5 / HD4 IP67 HW1 / HD4 with MediaFast HW1-4 / Transit HW1-3 / Transit 5G HW2-3 / Transit Core HW1 / Transit Duo HW1-3 / Transit Duo Pro E HW1 / Transit Pro E HW1
MediaFast	200 HW1,3
SpeedFusion Engine	SFE CAM HW1

Report an Issue

To report an issue, please open a support ticket at:

<https://ticket.peplink.com/>

For the latest development news and known issues, take a look at our forums:

<https://forum.peplink.com/>