

Firmware 8.4.0 Release Notes

Release Date: Oct 5, 2023

Devices Supported

This firmware release supports the following devices:

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| Balance | 20X / 30 LTE HW3 / 30 Pro / One / One Core / Two / 210 HW4-5 / 310 HW4 / 310 5G / 310 Fiber 5G / 310X / 305 HW2 / 380 HW6 / 380X / 580 HW2-3 / 580X / 710 HW3 / 1350 HW2 / 2500 / 2500 EC |
| MAX | 700 HW3-4 / BR1 Mini HW3 / BR1 Mini Core HW3 / BR1 Mini M2M / BR1 ENT / BR1 Pro HW7 / BR1 Pro 5G / BR2 Pro HW4 / BR1 IP55 HW4 / HD1 Dome HW1 / HD1 Dome Pro / HD2 HW5-6 / HD2 Dome HW1 / HD2 IP67 HW2-4 / HD2 MBX / HD2 Mini / HD2 with MediaFast / HD4 / HD4 IP67 / HD4 MBX / HD4 with MediaFast / MBX Mini / Transit / Transit Core / Transit Duo / Transit Duo Pro / Transit Duo Pro E |
| UBR | UBR Plus |
| MediaFast | 200 / 500 / 750 / HD2 / HD4 |
| SpeedFusion Engine | SFE CAM |
| SpeedFusion Connect Relay / PDX / SDX / SDX Pro / FusionHub | |

Important Notices

- The configuration file for Firmware 8.3.0 or above is not compatible with firmware versions 8.2.1 or below.
- For FusionSIM and RemoteSIM users, it is suggested to upgrade the SIM Injector to [Firmware 1.1.130](#)
- **InControl** must be enabled on **PrimeCare** devices to update software features such as SpeedFusion (Bonding, WAN Smoothing, Hot Failover).
- Further major firmware updates will NOT support the following models. They will receive Firmware 8.3.x maintenance releases as needed.

| Product | Hardware Revision |
|-------------------|-------------------|
| Balance 20 | HW7-8 |
| Balance 210 | HW2-3 |
| Balance 30 LTE | HW1-2 |
| Balance 310 | HW2-3 |
| Balance 50 | HW1-3 |
| MAX 700 | HW1-2 |
| MAX BR1 | HW2-3 |
| MAX BR1 | HW1 |
| MAX BR1 ESN | HW1 |
| MAX BR1 IP55 | HW1-3 |
| MAX BR1 IP67 | HW1 |
| MAX BR1 M2M | HW1-3 |
| MAX BR1 MK2 | HW1-3 |
| MAX BR1 Mini | HW1-2 |
| MAX BR1 Mini Core | HW1-2 |
| MAX BR1 Pro | HW2-6 |
| MAX BR1 Slim | HW1 |
| MAX BR2 | HW2-3 |
| MAX BR2 IP55 | HW2-3 |
| MAX HD2 | HW1-4 |
| MAX HD2 IP67 | HW1 |
| MAX Hotspot | HW1 |
| MAX On-The-Go | HW2 |

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| MAX Transit Mini | HW1 |
| SpeedFusion Engine | HW1-2 |
| Surf SOHO | HW2 |
| Surf SOHO MK3 | HW1 |
| UBR LTE | HW1-2 |

New Features

| Reference | Description | Device Supported |
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| 30479 | [Starlink] Added Starlink support in the WAN Settings page, enabling the device to detect and query the Starlink status, and providing the ability to control the Starlink connection from within InControl2 | Balance: 310X, 380X, 580X, 310 5G/Fiber 5G, 305/380 or above MAX: BR1 Pro 5G, BR1 Pro HW7, BR2 Pro, Transit 5G, HD1 Dome/Dome Pro, HD2/4 MBX MediaFast: 500, 750 PDX, SDX, SDX Pro, EPX |
| 30118 | [SFC Protect] Added support for access control in SFC Relay Mode, allowing the server to approve or deny connections based on Serial Numbers and block private network access | All Models (Except FusionHub) |
| 30541 | [Docker] Added support for running Docker on selected devices by attaching the USB storage | Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 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-LCDT) |
| 29541 | [Synergy Mode] Added support for Synergized devices over Virtual VLAN WAN | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 |

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| | | MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX |
| 30299 | [Outbound Policy] Added support for the Outbound Policy "Least Used" algorithm to select the WAN connection with the most available uplink bandwidth | All Models (Except FusionHub) |
| 27555 | [eSIM] Added support to install Bring-Your-Own eSIM on the Cellular WAN via InControl for devices with a valid PrimeCare / EssentialCare. This feature is planned to be available in InControl version 2.13. | Balance: 20X HW3, 310X HW3, 380X, 580X MAX: BR1 Mini/Mini Core HW3/Mini M2M, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro, Transit Duo Pro/Pro E, HD2/4 MBX HW4, HD1 Dome Pro, HD2 Dome Pro E/LR, MBX Mini UBR: Plus EPX |
| 30507 | [AP Controller] Added the capability to select SSIDs from external APs in both SFC "Route by Wi-Fi SSID" and Outbound Policy by "Client's Associated SSID" settings | Balance: All MAX: 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All PDX, SDX, SDX Pro, EPX |
| 30645 | [System] Increased QoS User Groups to 10 and updated the Content Blocking page to support 10 User Groups for the Exempted User Group Table | All Models |

Improvements

| Reference | Description | Device Supported |
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| 30998 | [non-PrimeCare] For non-PrimeCare devices that originally supported two SpeedFusion VPN profiles, they now support three profiles | Balance: 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X MAX: All MediaFast: 200 Device product code without "-PRM" |
| 31015 | [Synergy Mode] Synergized devices are now upgraded automatically one by one to match the Synergy Controller's firmware version | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: |

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| | | Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX |
| 30959 | [BR1 Mini] SpeedFusion Bonding, Ethernet and Wi-Fi WAN trial licenses are now automatically activated on BR1 Mini HW3/BR1 Mini Core | MAX: BR1 Mini/Mini Core/Mini M2M |
| 17170 | [System] Added support to display the IP route table via CLI | All Models |
| 30846 | [OpenVPN] Added the "Authentication Token Lifetime" option to the Remote User Access OpenVPN configuration | All Models |
| 30760 | [USB Ethernet Adapter] Added support for Microchip LAN7801 USB Ethernet adapter | Balance: All MAX: BR1 ENT, BR2 Pro HW4, HD2/4 Indoor Series, HD2/4 MBX, MBX Mini MediaFast: All SDX, SDX Pro |
| 30687 | [Cellular] Improved the connection time for SIM cards with SIM PIN enabled | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30743 | Increased the Ethernet Port Status support for various devices, allowing users to view the status of Ethernet ports under "Status" -> "Ethernet Ports". | MAX: HD1/2 Dome Pro series, Transit Duo Pro, BR1/2 Pro |
| 30257 | [HD 1/2 Dome] Added an option to disable the status LED on HD1/2 Dome devices | MAX: HD1/2 Dome |
| 29576 | [Cellular] Added carrier profile for Dish Network in the United States | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, |

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| | | HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29800 | [Cellular & LTEA-US] Added cellular firmware upgrade support for LTEA-US devices | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini UBR: Plus MediaFast: HD2/HD4 PDX, SDX, SDX Pro, EPX Device with cellular and product code contains LTEA-US) |
| 29796 | [SFC Protect] Added FaceTime as Cloud Application in SFC Protect | All Models (Except FusionHub) |
| 30083 | [SFC Protect] Added Google Meet as Cloud Application in SFC Protect | All Models (Except FusionHub) |
| 30360 | [B310 5G] Added Netflow support to Balance 310 5G | Balance: 310 5G/Fiber 5G |
| 26156 | [MBX Mini] Added PoE support on the WAN port | MAX: MBX Mini |
| 29727 | [Cellular] Added separate FusionSIM and RemoteSIM settings under custom SIM settings, allowing users to set different priorities | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29132 | [KVM] Added support for accessing and managing USB storage from Docker containers | Balance: 2500 EC MAX: HD2/4 with MediaFast MediaFast: 500, 750 SDX Pro, EPX (with EXM-LCDDT) |
| 30582 | [BR1 Mini HW3] Added support for configuring trunk with custom VLAN mode on the Ethernet ports of BR1 Mini HW3 devices | MAX: BR1 Mini HW3 |
| 30718 | [Wi-Fi AP] Added support for configuring Wi-Fi SSID, Radio, and Mesh settings via SNMP, specifically for devices with integrated Wi-Fi | Balance: 20X, 30 Pro, One MAX: All (Exclude: BR1 ENT, HD2 Mini, HD1/2 Dome) UBR: Plus PDX |
| 28626 | [KVM] Added support for creating virtual machines by using XML configuration files | Balance: 2500 EC MAX: HD2/4 with MediaFast MediaFast: 500, 750 |

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| | | SDX Pro, EPX (with EXM-LCDT) |
| 28818 | [System] Added support for different priority levels (high, normal, low) in application queues | All Models |
| 29352 | [KVM] Added support for Docker containers to access KVM storage from within the containers | Balance: 2500 EC MAX: HD2/4 with MediaFast MediaFast: 500, 750 SDX Pro, EPX (with EXM-LCDT) |
| 27642 | [GPS] Added support for GPS receiver to receive GPS NMEA 0183 data over IP network | 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 |
| 30726 | [Cellular] Added support for Japan KDDI carrier profile | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30499 | [AP Controller] Added support for managing AP One DX by the AP controller | Balance: All MAX: 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All PDX, SDX, SDX Pro, EPX |
| 30100 | [MAX Adapter] Added support for MAX Adapter cellular module firmware upgrade on Balance/MAX devices | Balance: All MAX: BR1 ENT, BR2 Pro HW4, HD2/4 Indoor Series, HD2/4 MBX, MBX Mini, HD2/4 with MFA MediaFast: All SDX, SDX Pro |
| 29662 | [System] Added support for NTP reference ID in compliance with RFC5905 | All Models |
| 29821 | [Docker] Added support for pulling Docker images from authenticated private Docker registry | Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 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-LCDT) |

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| 23664 | [GPS] Added support for receiving GPS data from external sources via network stream (TCP/UDP) and displaying the location information on the device's web interface and InControl. | 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 |
| 30549 | [FusionHub] Added support for renewing FusionHub licenses via InControl | FusionHub |
| 29834 | [Cellular] Added support for restoring the device to factory default via SMS command | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29555 | [Docker] Added support for the Event Log to display an error message when attempting to create a Docker container with an incompatible CPU architecture image. | Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 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-LCDT) |
| 30443 | [Virtual WAN on VLAN] Added support for the PPPoE connection method for Virtual WAN on VLAN | Balance: All MAX: All MediaFast: All UBR Plus, SFE Cam PDX, SDX, SDX Pro, EPX * If the above models have PrimeCare, one Virtual WAN on VLAN will be included |
| 30568 | [NetFlow] Added support for the Web UI that allows users to select the outbound interface for Netflow traffic | Balance: 20X, 310X, 380X, 580X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 305/380 or above MAX: BR1 ENT, Transit, 700 HW3 or above, HD2 HW5 or above, HD4, HD2/4 MBX, MBX Mini, HD2/4 with MFA MediaFast: All PDX, SDX, SDX Pro, EPX FusionHub |

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| 29992 | [VLAN on LACP] Added support for VLAN on LACP bonded interfaces | Balance: 20X, 310X, 380X, 580X, 310 5G/Fiber 5G, 305/380 or above MAX: BR1 Pro 5G, BR1 Pro HW7, BR2 Pro, Transit 5G, HD1 Dome/Dome Pro, HD2/4 MBX, MBX Mini MediaFast: 500, 750 PDX, SDX, SDX Pro, EPX |
| 30530 | [NetFlow] Added the feature to bind netflow traffic to a selected WAN interface, allowing the configuration of the outgoing interface for each Netflow collector. | Balance: 20X, 310X, 380X, 580X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 305/380 or above MAX: BR1 ENT, Transit, 700 HW3 or above, HD2 HW5 or above, HD4, HD2/4 MBX, MBX Mini, HD2/4 with MFA MediaFast: All PDX, SDX, SDX Pro, EPX FusionHub |
| 29238 | [SFC Protect] Added Zscaler as Cloud Application in SFC Protect | All Models (Except FusionHub) |
| 30511 | [SNMP] Enhanced the DEVICE.mib to include additional device information such as device name, product code, hardware revision, and hostname | All Models |
| 30561 | [GLTE-G] Fixed the issue where Cellular might not be able to read SMS | Device with 4G Cat-18 Cellular WAN |
| 29804 | [Synergy Mode] Fixed the issue where FusionSIM would up and down on Synergy Cellular WAN. | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 MediaFast: All |

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| | | UBR: Plus SDX, SDX Pro, PDX, EPX |
| 29284 | [Captive Portal] Improved Captive Portal detection by using CAPPORT API (RFC8908, 8910) | All Models (Except FusionHub) |
| 30092 | [SFC Protect] SpeedFusion Connect Relay Mode now supports 5 peers | All Models (Except FusionHub) |
| 30669 | <p>[PrimeCare] SpeedFusion features are always enabled on the following models: 310 5G/Fiber 5G, and BR1 Pro HW7, BR1 Pro 5G, BR2 Pro HW4</p> <p>SpeedFusion Bonding is added for the following models with valid PrimeCare: BR1 Mini HW3/Core HW3, and Transit Mini</p> | Device product code with the suffix "-PRM" |
| 29488 | [Synergy Mode] Synergy Controller now supports High Availability environment | <p>Synergized Device: Balance, MAX, MediaFast, UBR: All PDX</p> <p>Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX</p> |
| 30165 | [System] Updated the timezone database to version 2023c | All Models |

Resolved Issues

| Reference | Description | Device Supported |
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| 31053 | Fixed a system stability issue related to QoS Bandwidth Limit found on firmware 8.4.0 RC 2 | Balance: 310X, 380X, 580X, 310 5G/Fiber 5G, 305/380 or above MAX: HD2/4 MBX MediaFast: 500, 750 PDX, SDX, SDX Pro, EPX |
| 31024 | [Flex Module & FlexModule Mini] Fixed the issue of intermittent "no cable detected" message on USB Ethernet adapter in Synergy Controller mode | Balance: 20X SDX, SDX Pro, EPX |
| 31100 | [Cellular & 5GD] Fixed the issue of the Cellular would unexpectedly require the SIM PIN again after Cellular reload | Balance: 310 5G/Fiber 5G, 310X MAX: BR1 Pro 5G, BR2 Pro, HD1 Dome Pro X Series: EPX, MBX, SDX Pro, SDX, 580X, 380X, 310X (Device with 5G Cellular and product code contains -5GD) |
| 31049 | [AP Controller] Fixed the issue where the AP Controller incorrectly counted a disabled integrated AP as online in the dashboard | Balance: All MAX: 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All PDX, SDX, SDX Pro, EPX |
| 31066 | [Cellular] Fixed the issue where the cellular module connected in roaming even when data roaming was disabled | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29937 | [Synergy Mode] Fixed an issue where a Virtual WAN was missing if Synergy WAN was added before it | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 |

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| | | Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX |
| 30880 | [FusionHub] Fixed an issue where L2VPN VLAN filtering did not work on FusionHub in the WebUI | FusionHub |
| 30946 | [FusionSIM] Fixed an issue where the SIM toolkit displayed "No SIM information" when the active SIM was RemoteSIM, FusionSIM, or eSIM | Balance: 310 5G, 20X, 310X, 380X, 580X MAX: BR1 Pro, Transit Core/Pro, HD2 Mini, HD1/2 Dome/Dome Pro, HD2/4 MBX UBR Plus PDX |
| 30893 | [Virtual WAN on VLAN] Fixed an issue where Virtual WAN on VLAN did not work in some cases | Balance: All MAX: All MediaFast: All UBR Plus, SFE Cam PDX, SDX, SDX Pro, EPX * If the above models have PrimeCare, one Virtual WAN on VLAN will be included |
| 30907 | [Starlink] Fixed an issue where WAN Failover did not happen immediately after a Starlink WAN outage | Balance: 310X, 380X, 580X, 310 5G/Fiber 5G, 305/380 or above MAX: BR1 Pro 5G, BR1 Pro HW7, BR2 Pro, Transit 5G, HD1 Dome/Dome Pro, HD2/4 MBX MediaFast: 500, 750 PDX, SDX, SDX Pro, EPX |
| 30956 | [SDX with Cellular Module] Fixed issue where SDX HW1/HW2 with FlexModule Plus cellular modules could remain in "Initializing..." state when using internal SIM or SpeedFusion Connect 5G/LTE. | SDX HW1/2 |
| 30713 | [Cellular & Cat-18] Fixed an issue on the Cat-18 device where occasionally the band information for the secondary band would be missing | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |

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| | | (Device with Cat-18 Cellular, product code contains GLTE-G) |
| 30807 | [Cellular & LTEA-Q] Fixed the issue where LTEA-Q cellular devices were unable to establish a connection on the KPN network | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX (Device with Cellular and product code contains LTEA-Q) |
| 29838 | [FusionHub] Fixed an issue where FusionHub port mapping may not work when using OpenVPN | FusionHub |
| 30101 | [System] Fixed an issue where it was not possible to click the "Apply Changes" button when disabling "Static Route Advertising" in the "OSPF & RIPv2 Route Advertisement" settings in the FusionHub Web UI. | All Models |
| 30766 | [BGP] Fixed an issue where the "Default route from BGP" selection would disappear from the Web UI | All Models |
| 28225 | [EPX] Fixed an issue where the device could unexpectedly reboot with QoS is enabled | EPX |
| 30778 | [GPS] Fixed issue of high CPU load after disabling GPS Forwarding | 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 |
| 30367 | [FusionHub] Fixed the issue in FusionHub where routing of traffic might fail when there are a large number of sessions | FusionHub |
| 28874 | Fixed the issue of missing LAN port events in the Event Log of the device and InControl | MAX: HD1/2 Dome Pro series, Transit Duo Pro, BR1/2 Pro |
| 30789 | [Synergy Mode] Fixed the issue of Synergy WANs repeatedly starting and stopping on the device with more than 90 WANs | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, |

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| | | 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX |
| 30757 | [IPsec] Fixed the issue where IPsec Phase 1 DH Group might display incorrectly as Group 2 | All Models |
| 30761 | [RemoteSIM] Fixed the issue where Remote SIM Agent did not accept traffic from SpeedFusion VPN | Balance: 20X, 310X, 380X, 580X, 310 5G/Fiber 5G MAX: BR1 Pro, Transit Core/Pro, HD2 Mini, HD1/2 Dome/Dome Pro, HD2/4 MBX UBR: Plus PDX |
| 30691 | [Wi-Fi AP] Fixed the issue where the "AP - Turn off when there is no Internet connectivity" feature was not working properly | Balance: 20X, 30 Pro, One MAX: All (Exclude: BR1 ENT, HD2 Mini, HD1/2 Dome) UBR: Plus PDX |
| 30754 | [Cellular & Cat-18] Fixed the problem of incorrect band support on T-Mobile and AT&T networks with Cat-18 Cellular | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX (Device with Cat-18 Cellular, product code contains GLTE-G) |
| 30735 | [SpeedFusion VPN] Resolved the issue where changing the Receive Buffer or FEC settings for sub-tunnels in a SpeedFusion profile could cause the settings to revert to default when editing other sub-tunnel settings | All Models |
| 30028 | [FusionHub] Fixed a system instability issue caused by dynamic routing in SpeedFusion | FusionHub |
| 30590 | [B20X] Fixed an issue in B20X where a FlexModule Mini cellular module might be detected as an SFP | Balance: 20X |

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| | module under rare condition | |
| 29856 | [Cellular] Fixed an issue where cellular WAN could fail to establish a data connection after a firmware upgrade on RemoteSIM supported devices | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30024 | [Cellular] Fixed an issue where it was unable to connect to the UK carrier iD | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29832 | [System] Fixed an issue where multiple WANs that are using the same IP address could cause the Health Check to fail | All Models |
| 30389 | [Synergy Mode] Fixed an issue where Synergy WANs would disconnect and reconnect after applying configuration changes. | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX |
| 30168 | [Cellular] Fixed an issue where the Cellular WAN of a Synergized Device was being repeatedly reset by the Synergy Controller | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus |

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| | | PDX, SDX, SDX Pro, EPX |
| 30154 | [Wi-Fi WAN] Fixed an issue where the Wi-Fi WAN would stop working | MAX: 700, BR1/2, HD2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA MediaFast: HD2/4 UBR: Plus PDX, MBX |
| 25476 | [IPsec] Fixed IPsec issues that failed to reconnect after an unexpected disconnect and failed to disconnect properly when disabled by the user | All Models |
| 30188 | [Flex Module & FlexModule Mini] Fixed the issue of an incorrect WAN connection being marked as "Disabled" when the PrimeCare license expired | Balance: 20X SDX, SDX Pro, EPX |
| 30721 | [Cellular] Fixed the issue of cellular connection status not being displayed and empty operator names | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30698 | Fixed the issue of configuration not being saved properly | MAX: BR1 Pro 5G/HW7, BR2 Pro, HD1/2 Dome Pro, Transit Duo Pro |
| 30021 | [Cellular] Fixed the issue of continuous switching in Cellular WAN between a SIM slot restricted to management traffic and a non-functioning SIM in another slot. | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29031 | [Docker] Fixed the issue of Docker containers unable to renew and release DHCP IP | Balance: 310 5G/Fiber 5G, 310X, 380X, 580X, 710, 1350, 2500, 2500 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-LCDT) |
| 29548 | [Cellular] Fixed the issue of failed cellular firmware upgrade for the Max Adapter LTE module in support.cgi on BR2 Pro | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 |

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| | | with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29980 | [FusionHub] Fixed the issue of FusionHub being unable to save SpeedFusion profile configurations | FusionHub |
| 30482 | [MAX Adapter] Fixed the issue of MAX Adapter occasionally causing AP devices, which are managed by the AP Controller, to go offline and online in IC2. | Balance: All MAX: BR1 ENT, BR2 Pro HW4, HD2/4 Indoor Series, HD2/4 MBX, MBX Mini, HD2/4 with MFA MediaFast: All SDX, SDX Pro |
| 30444 | [BR2 Pro] Fixed the issue of missing 2.5Gbps WAN Ethernet port speed option support for BR2 Pro in the Web UI. | MAX: BR2 Pro |
| 29841 | [System] Fixed the issue of not displaying VPN sessions in the Active Sessions page's Overview tab | All Models |
| 29793 | [AP Controller] Fixed the issue of schedule reboot not working when the AP is being managed | Balance: All MAX: 700, HD2/4, HD2 Mini, Transit, HD2/4 MBX, MBX Mini MediaFast: All PDX, SDX, SDX Pro, EPX |
| 30678 | [Remote SIM] Fixed the issue of SIM failover going to a roaming SIM slot even when data roaming is disabled. | |
| 30710 | [Synergy Mode] Fixed the issue of Synergized Devices not being able to go online in InControl when the Synergy Controller routes all traffic to a SpeedFusion VPN | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 |

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| | | MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX |
| 30200 | [WAN] Fixed the issue of the DDNS service changeip.com not working | All Models |
| 30689 | [LAN] Fixed the issue of unable to add more than 64 VLAN Profiles via API or Remote Web Admin | All Models |
| 29960 | [Cellular] Fixed the issue of unexpected disconnection events in ICVA, specifically when only Cellular WAN is in use and the device is redirected from IC2 to ICVA. | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 29977 | [Cellular & LTE-US] Fixed the issue of unexpected reboots on LTE-US devices when the data roaming option is enabled | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX Device with cellular and product code contains LTE-US) |
| 25655 | [KVM] Fixed the issue of USB storage detection and access for virtual machines | Balance: 2500 EC MAX: HD2/4 with MediaFast MediaFast: 500, 750 SDX Pro, EPX (with EXM-LCDT) |
| 29969 | [USB WAN] Fixed the issue of USB WAN connected to MAX Adapter causing repeated resets | Balance: All MAX: BR1 ENT, BR2 Pro HW4, HD2/4 Indoor Series, HD2/4 MBX, MBX Mini MediaFast: All SDX, SDX Pro |
| 30544 | [LoRaWAN] Fixed the issue where an unrecognized region in the LoRaWAN debug log caused configuration rejection, resulting in sensor join requests not being acknowledged by the LoRaWAN gateway. | Balance: 20X |
| 29862 | [Cellular] Fixed the issue where cellular connection might not reestablish after a reboot on SDX with EM9191/EM7690 | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA |

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| | | UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30280 | [B20X] Fixed the issue where configuring the WAN port as a LAN access port for a VLAN on the B20X did not work properly | Balance: 20X |
| 30288 | [WAN] Fixed the issue where DDNS updates for no-ip failed intermittently | All Models |
| 30566 | [DHCP] Fixed the issue where DHCP clients were potentially experiencing IP conflicts when multiple clients requested IP addresses at near time intervals | All Models |
| 30295 | [Remote SIM] Fixed the issue where FusionSIM or RemoteSIM traffic was not working when Bandwidth Allowance was reserved for management traffic | |
| 30134 | [BR1 Mini HW3] Fixed the issue where HA (High Availability) does not work on BR1 mini HW3 devices | MAX: BR1 Mini HW3 |
| 29974 | [SpeedFusion VPN] Fixed the issue where it was not possible to configure a SpeedFusion VPN Layer 2 Profile on FusionHub | All Models |
| 30321 | [LAN] Fixed the issue where it was not possible to save a new LAN VLAN setting if there were more than 30 LAN profiles | All Models |
| 30301 | [LAN] Fixed the issue where Remote User Access could not be enabled when the LAN DHCP Server was disabled | All Models |
| 30043 | [Cellular] Fixed the issue where SFE device was not detecting the SIM after upgrading from 8.2.1 to 8.3.0 | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30397 | [Cellular] Fixed the issue where the Cellular APN could be changed incorrectly | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30120 | [RemoteSIM] Fixed the issue where the device was unable to switch to another remote SIM if the current SIM was expired | Balance: 20X, 310X, 380X, 580X, 310 5G/Fiber 5G MAX: BR1 Pro, Transit Core/Pro, |

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| | | HD2 Mini, HD1/2 Dome/Dome Pro, HD2/4 MBX UBR: Plus PDX |
| 30415 | [BR2 Pro] Fixed the issue where the Ethernet WAN Port Speed/Duplex settings were displayed incorrectly on the MAX BR2 Pro | MAX: BR2 Pro |
| 30608 | [Cellular] Fixed the issue where the Event Log would incorrectly display "Data Roaming Disabled" | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30388 | [Balance LCD Panel] Fixed the issue where the front panel reset admin password feature was not working | Balance: 305/380 or above SDX, SDX Pro, EPX |
| 30275 | [LAN] Fixed the issue where the Local DNS Records in the LAN page of the WebUI did not allow entering "127.0.0.1" as the IP Address | All Models |
| 30095 | [RemoteSIM] Fixed the issue where the MAX HD1/HD2 Dome HW2 RemoteSIM option was missing in firmware | Balance: 20X, 310X, 380X, 580X, 310 5G/Fiber 5G MAX: BR1 Pro, Transit Core/Pro, HD2 Mini, HD1/2 Dome/Dome Pro, HD2/4 MBX UBR: Plus PDX |
| 30274 | [Cellular] Fixed the issue where the names of Cellular WANs were changed | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |
| 30304 | [Wi-Fi AP] Fixed the issue where the Search Filter box was missing on the AP->Access Point page in the Web UI | Balance: 20X, 30 Pro, One MAX: All (Exclude: BR1 ENT, HD2 Mini, HD1/2 Dome) UBR: Plus PDX |
| 29761 | [Synergy Mode] Fixed the issue where the Synergy Controller was not re-querying device licenses after reboot | Synergized Device: Balance, MAX, MediaFast, UBR: All PDX |

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| | | Synergy Controller: Balance: 20X, 30 LTE/Pro, One/Two, 210/310 HW4 or above, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1 Mini HW3, BR1 ENT, BR1 Pro 5G, BR1 Pro HW7, BR2 Pro HW4, Transit, 700 HW3 or above, HD1 Dome/Dome Pro, HD2 Dome, HD2 HW5 or above, HD2 Mini, HD4 MediaFast: All UBR: Plus SDX, SDX Pro, PDX, EPX |
| 30370 | [Remote SIM] Fixed the issue where updating the RemoteSIM configuration did not unlink the previous configuration as expected. | |
| 29813 | [Cellular] Fixed: Could not establish cellular connection if IMS PDN profile was enabled | Balance: 20X, 30 LTE/Pro, 310 5G/Fiber 5G, 310X, 380X, 580X MAX: BR1/2, HD1/2/4, Transit, HD2/4 MBX, MBX Mini, HD2/4 with MFA UBR: Plus PDX, SDX, SDX Pro, EPX |

Known Issues

| Reference | Description | Device Supported |
|-----------|---|--|
| 31101 | Enabling Layer 2 SpeedFusion VPN with settings to allow 'All VLAN ID' on SDX may result in the device becoming unresponsive | SDX, MBX, MBX Mini |
| 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 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-LCDT) |
| 29679 | [System] YouTube blocking may not work if YouTube traffic is using QUIC | SDX, MBX, MBX Mini |

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/>