Firmware 8.4.0 Release Notes

Release Date: Oct 5, 2023

Devices Supported

This firmware release supports the following devices:

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 / EPX / 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

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New Features

Reference	Description	Device Supported
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
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, 305, 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-LCDT)
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	**[PrimeCare]** SpeedFusion features are always enabled on the following models: 310 5G/Fiber 5G, and BR1 Pro HW7, BR1 Pro 5G, BR2 Pro HW4 SpeedFusion Bonding is added for the following models with valid PrimeCare: BR1 Mini HW3/Core HW3, and Transit Mini	Device product code with the suffix "-PRM"
29488	**[Synergy Mode]** Synergy Controller now supports High Availability environment	**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
30165	**[System]** Updated the timezone database to version 2023c	**All Models**

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Resolved Issues

Reference	Description	Device Supported
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 "Initializating..." 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

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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

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