Firmware 8.1.3 Release Notes

Release Date: Jul 30, 2021

Devices Supported

This firmware release supports the following devices:

X Series	EPX / SDX Pro / SDX / PDX / MBX / 580X / 380X / 310X / 20X
Balance	20X / 20 / 30 / 30 LTE / 30 Pro / 50 / One / Two / 210 / 310 / 310 Fiber 5G / 310 5G / 310X / 305 HW2 / 380 HW6 / 580 HW2-3 / 710 HW3 / 1350 HW2 / 2500
MAX	BR1 MK2 / BR1 HW2-3 / BR1 Slim / BR1 Mini / BR1 Mini Core / BR1 M2M / BR1 ENT / BR1 ESN / BR1 PRO / BR1 IP67 / BR2 / BR1 IP55 HW2-4 / BR2 IP55 HW2-3 / HD2 / HD2 IP67 / HD2 Mini / HD1 Dome / HD2 Dome / HD4 / HD4 IP67 / Transit (4G) / Transit Duo / Transit Mini / Hotspot / On-The-Go HW2 / 700
UBR	UBR LTE
Surf	SOHO HW2 / SOHO MK3
MediaFast	200 / 500 / 750 / HD2 / HD4
SpeedFusion Engine	SFE / SFE CAM
FusionHub	FusionHub

Important Notices

- **For Transit 5G,** please use firmware [8.1.3s003](#) instead of this 8.1.3 GA firmware. 8.1.3s003 is based on 8.1.3 and also includes the fixes:
    a. 5G cellular connectivity issue
    b. Compatibility issue for Telus SIM
    c. Unable to route traffic for T-Mobile SIM
- **InControl** must be enabled on **PrimeCare** devices to update software features such as SpeedFusion (Bonding, WAN Smoothing, Hot Failover).
- **Balance 20 Hardware Revision 1-6 / 30 / 50** will **NOT** be supported by further major firmware updates. They will receive Firmware 8.1.x maintenance releases as needed.
- The unit must be upgraded to [Firmware 7.1.2](#) first before upgrading to 8.0.0 or above for the following models.

Product	Hardware Revision
MAX BR1	HW2-3
MAX BR1 IP67	HW1
MAX BR1 Mini	HW1-2
MAX BR1 Pro	HW2,4-5
MAX BR1 Slim	HW1
MAX BR2	HW2
SOHO	HW2

- PepVPN backward compatibility option is no longer available. By deprecating the old firmware versions, we now have a more secure handshake channel as the default setting, only TLS 1.2 will be accepted, no more TLS 1.0 and 1.1 for the old devices. Thus, if you are using devices running Firmware 6.1 or older, you will no longer be able to form PepVPN tunnels with those devices unless the firmware is updated.
- Please note that the "High Application Compatibility" and "Normal Application Compatibility" settings in "Outbound Policy" have been deprecated. Both options still work, if you set up a Custom Outbound Policy, you cannot change them back.
- Internet Explorer 11 is no longer supported by Web Admin.
- The updated minimum version of the supported browser:
    ○ Mozilla Firefox 54
    ○ Google Chrome 51
    ○ Safari 10
    ○ Microsoft Edge 15

Improvements

Reference	Description	Device Supported
25390	[B20] Added: Supporting of MAX Adapter	**Balance:** 20/30
25370	[AP Controller / 11ac] Added: When a Wi-Fi client is connected to/disconnected from an AP, the client's name will be shown in the Event Log.	**Balance:** All **MAX:** BR1 MK2, 700, HD2/4, Transit **MediaFast:** All **X Series**: EPX, SDX Pro, SDX, 580X, 380X, PDX, MBX, 20X **Surf SOHO**: SOHO MK3
25287	[BGP] Added: BGP over GRE	**All Models**
25226	[Cellular & LTE-US] Added support for 3G sunset of AT&T	Models with integrated LTE-US Cellular
25171	[DPI] Updated: 269 protocols can now be identified in the "Active Sessions" and "DPI Reports" on InControl 2	**All Models**
22102	[FusionHub] Added: BGP/OSPF/RIP2 Support	**FusionHub**

Resolved Issues

Reference	Description	Device Supported
25282	[FusionHub] Fixed: When Web Content Filtering was enabled, system CPU load would become unnecessarily higher, and extra downlink traffic would be consumed.	**FusionHub**
25566	[Jumbo Frame & Link Aggregation] Fixed: "HA Configuration Sync" did not work if "Jumbo Frame" and "Link Aggregation" on LAN was enabled	**Balance:** 305, 380 or above **MediaFast:** 500, 750 **X Series**: EPX, SDX Pro, SDX, 580X, 380X
25550	[System] Fixed: Potential system instability issue	**All Models**
25542	[EPX] Fixed: Cellular WAN shows "Unknown Physical Status" if the device had more than ten cellular WANs	**X Series**: EPX
25520	[B310 5G] Fixed: Unable to show LAN port status	**Balance:** 310 5G/Fiber 5G
25507	[5G] Fixed: Cellular WANs that configured to connect in "LTE Only" connected in 5G mode	**Balance:** 310 5G/Fiber 5G **X Series**: EPX, MBX, SDX Pro, SDX, 310X

25369	**[AP Controller]** Fixed: AP > Mesh / WDS Page becomes unresponsive	**Balance:** All **MAX:** 700, HD2/4, Transit **MediaFast:** All **X Series**: EPX, SDX Pro, SDX, 580X, 380X, PDX, MBX
25334	**[B20X]** Fixed: System instability caused by memory handling	**X Series**: 20X
25303	**[Wi-Fi]** Fixed: Wi-Fi FragAttack Vulnerability	**Balance:** 30 Pro, One **MAX:** All (Exclude: BR1 ENT, HD2 Mini, HD1/2 Dome) **MediaFast:** HD2/4 **X Series**: PDX, MBX, 20X **UBR:** UBR LTE **Surf SOHO**
25297	**[PrimeCare]** Fixed: PrimeCare expiration handling malfunction	Device product code with the suffix "-PRM"
25290	**[SOHO MK3]** Fixed: Wi-Fi clients might not connect to the 2.4 GHz Wi-Fi radio	**Surf SOHO**: SOHO MK3
25285	**[BR1 Mini]** Fixed: WAN as LAN feature does not work	**MAX:** BR1 Mini/Mini Core
25273	**[310 Fiber 5G	Transit]** Fixed: "Wi-Fi" LED blink when Wi-Fi AP is OFF	**Balance:** 310 Fiber 5G **MAX:** Transit
25222	**[Cellular]** Fixed: Cellular radio may not connect if the "Manual carrier selection / PLMN list" setting was configured	**Balance:** 30 LTE/Pro, 310 5G/Fiber 5G **MAX:** BR1/2, HD2/4, Transit **UBR:** UBR LTE **MediaFast:** HD2/HD4 **X Series**: All
25201	**[B20X]** Fixed: Wi-Fi clients may not connect to the 2.4 GHz Wi-Fi radio	**X Series**: 20X
25185	**[FusionHub]** Fixed: Abnormal CPU load	**FusionHub**
25184	**[System]** Fixed: Unable to apply a large amount of Geolocation Firewall rules	**All Models**

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/