

# Firmware 8.1.2 Release Notes

Release Date: May 11, 2021

## Devices Supported

This firmware release supports the following devices:

<b>X Series</b>	EPX / SDX Pro / SDX / PDX / MBX / 580X / 380X / 310X / 20X
<b>Balance</b>	20X / 20 / 30 / 30 LTE / 30 Pro / 50 / One / Two / 210 / 310 / 310 5G / 310X / 305 HW2 / 380 HW6 / 580 HW2-3 / 710 HW3 / 1350 HW2 / 2500
<b>MAX</b>	BR1 MK2 / BR1 HW2-3 / BR1 Slim / BR1 Mini / 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 / Transit Duo / Transit Mini / Hotspot / On-The-Go HW2 / 700
<b>UBR</b>	UBR LTE
<b>Surf</b>	SOHO HW2 / SOHO MK3
<b>MediaFast</b>	200 / 500 / 750 / HD2 / HD4
<b>SpeedFusion Engine</b>	SFE / SFE CAM
<b>FusionHub</b>	FusionHub

## Important Notices

- **For Transit 5G**, please use special firmware [8.1.2s011](#) instead of this 8.1.2 GA firmware.
- **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.
- For the following models, the unit must be upgraded to [Firmware 7.1.2](#) first before upgrading to 8.0.0 or above.

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
<b>24406</b>	<b>[310X]</b> Peplink Balance 310X has updated feature specification: - Maximum Number of AP Supported: 30 → 50 - Content Filtering (Lite/Full): Lite → Full - 802.1q VLANs Supported: 128 → 1024 - Number of IPsec Tunnels: 5 → 20 - Maximum PPTP/L2TP/OpenVPN Users: 15 → 50	<b>X Series:</b> 310X
<b>24776</b>	<b>[5G]</b> Added: 5G band and signal information. (For Transit 5G, a special firmware will be released after GA to include this feature)	<b>Balance:</b> 310 5G <b>X Series:</b> EPX, MBX, SDX Pro, SDX, 310X
<b>24701</b>	<b>[5G]</b> Cellular "Auto mode" supports 5G and 4G only	<b>Balance:</b> 310 5G <b>X Series:</b> EPX, MBX, SDX Pro, SDX, 310X
<b>24562</b>	<b>[B20X]</b> Added HA support with a valid PrimeCare subscription	<b>X Series:</b> 20X
<b>24559</b>	<b>[Cellular]</b> Data Roaming option will be turned on by default for UScellular SIM	<b>Balance:</b> 30 LTE/Pro <b>MAX:</b> BR1/2, HD2/4, Transit <b>UBR:</b> UBR LTE <b>MediaFast:</b> HD2/HD4 <b>X Series:</b> All
<b>24777</b>	<b>[Device API]</b> Added: config.wan.connection added: PPPoE_Obj > managementNetwork SIM_Obj > authentication status.wan.connection added: RAT_Obj	<b>All Models</b>
<b>24946</b>	<b>[DHCP WAN]</b> Added: Management IP Address for DHCP WAN	<b>All Models</b> (Except <b>FusionHub</b> )
<b>24433</b>	<b>[System]</b> Added support for Service Provider Configuration via DHCP Option	<b>All Models</b>
<b>24541</b>	<b>[USB Modem]</b> Updated "Modem Support Version" to 1025	<b>Balance:</b> All <b>MAX:</b> BR1 ENT, HD2/4 Indoor Series <b>MediaFast:</b> All <b>X Series:</b> All <b>Surf SOHO</b>

## Resolved Issues

Reference	Description	Device Supported
24538	<b>[B20]</b> Fixed a potential memory issue that causes system instability on Balance 20 HW6 or below	
24495	<b>[B20X]</b> Fixed a memory usage issue that causes system instability	<b>X Series:</b> 20X
24640	<b>[B380X / 580X]</b> Fixed an issue causing the WAN Real-Time Bandwidth on InControl 2 to always show 0 bps	<b>X Series:</b> 380X, 580X
24623	<b>[B380X / 580X]</b> Fixed the issue causing VLAN Access Ports to not work on LAN ports 1-3	<b>X Series:</b> 380X, 580X
24480	<b>[B50]</b> Fixed the issue causing WAN 5 to not function	<b>Balance:</b> 50
24575	<b>[Captive Portal]</b> Updated the Captive Portal SSL Certificate	<b>All Models</b> (Except <b>FusionHub</b> )
24566	<b>[Cellular &amp; LTE-US-T / LTE-US-T-M]</b> Fixed: Unable to obtain APN Fixed: Unable to switch network when Network Mode is set to Auto	<b>MAX:</b> BR1 Mini/Mini Core
24567	<b>[Cellular   USB]</b> Fixed an issue potentially caused high memory usage when cellular is not in use	<b>All Models</b> (Except <b>FusionHub</b> )
24555	<b>[DDNS]</b> Fixed the issue where the user cannot disable the "Update All Hosts" feature when using the "DNS-O-Matic" DDNS service	<b>All Models</b>
24591	<b>[Flex Module &amp; FlexModule Mini]</b> Fixed an issue that potentially caused incorrect Daily Usage Reports	<b>X Series:</b> EPX, SDX Pro, SDX, 580X, 380X, 20X
24624	<b>[IP Passthrough]</b> Fixed an issue causing IP Passthrough to not work after a firmware upgrade	<b>Balance:</b> 30 Pro <b>MAX:</b> BR1, Transit <b>UBR:</b> UBR LTE <b>Surf SOHO:</b> SOHO HW2 / MK3 <b>X Series:</b> 20X
24434	<b>[KVM]</b> Fixed the issue disabling VM creation via network	<b>MediaFast:</b> 500, 750 <b>X Series:</b> SDX Pro
24486	<b>[LDAP]</b> Fixed the issue where Remote User Access with LDAP authentication does not work with a Windows Server	<b>Balance:</b> 210 or above <b>MAX:</b> 700, HD2/4 <b>MediaFast:</b> All <b>X Series:</b> All

		<b>FusionHub</b>
<b>24484</b>	<b>[LDAP]</b> Fixed the LDAP authentication issue when using DUO MFA	<b>Balance:</b> 210 or above <b>MAX:</b> 700, HD2/4 <b>MediaFast:</b> All <b>X Series:</b> All <b>FusionHub</b>
<b>24972</b>	<b>[MBX]</b> Fixed: Old MBX hardware revision does not support new MBX expansion module	<b>X Series:</b> MBX
<b>24927</b>	<b>[Outbound Policy]</b> Fixed: Adding a new Enforced Outbound Policy does not reroute existing sessions	<b>All Models</b> (Except <b>FusionHub</b> )
<b>24584</b>	<b>[Remote User Access &amp; FusionHub]</b> Fixed the issue where Authenticate with Active Directory will fail if the Server Name is unable to resolve	<b>FusionHub</b>
<b>24533</b>	<b>[SNMP]</b> Fixed the issue causing the "SNMP CPU Load" to not align with "Web Admin"'s "CPU Load"	<b>All Models</b>
<b>24553</b>	<b>[SpeedFusion Cloud]</b> Fixed the issue where "Connect Clients to Cloud" / "Link Wi-Fi to Cloud" / "Optimize Cloud Application" does not work if using Automatic location	<b>All Models</b> (Except <b>FusionHub</b> )
<b>24551</b>	<b>[SpeedFusion]</b> Added an option to ignore the DF bit of packets	<b>Balance:</b> B210 or above <b>MAX:</b> 700, HD2/4, Transit <b>UBR:</b> UBR LTE <b>MediaFast:</b> All <b>SFE</b> <b>X Series:</b> EPX, SDX Pro, SDX, PDX, MBX, 310X <b>FusionHub</b>
<b>24542</b>	<b>[SpeedFusion]</b> Fixed a potential memory issue caused by the device having a lot of SpeedFusion profiles	<b>Balance:</b> B210 or above <b>MAX:</b> 700, HD2/4, Transit <b>UBR:</b> UBR LTE <b>MediaFast:</b> All <b>SFE</b> <b>X Series:</b> EPX, SDX Pro, SDX, PDX, MBX, 310X <b>FusionHub</b>
<b>24554</b>	<b>[SpeedFusion]</b> Removed duplicated SpeedFusion Event Log entries	<b>Balance:</b> B210 or above <b>MAX:</b> 700, HD2/4, Transit <b>UBR:</b> UBR LTE <b>MediaFast:</b> All <b>SFE</b> <b>X Series:</b> EPX, SDX Pro, SDX,

		PDX, MBX, 310X <b>FusionHub</b>
<b>24988</b>	<b>[System]</b> "Firewall > Allow Access Rules" with "Remote Syslog" is now sending with Severity "Notice" instead of "Alert"	<b>All Models</b>
<b>24531</b>	<b>[System]</b> Fixed an issue causing feature Add-on keys might not be fully applied to the devices	<b>All Models</b>

## 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/>