

Firmware 8.2.1 Release Notes

Release Date: Jun 9, 2022

Devices Supported

This firmware release supports the following devices:

X Series	EPX / SDX Pro / SDX / PDX / MBX / MBX Mini / 580X / 380X / 310X / 20X
Balance	20X / 20 HW7-8 / 30 LTE / 30 Pro / One / Two / 210 / 310 / 310 Fiber 5G / 310 5G / 310X / 305 HW2 / 380 HW6 / 580 HW2-3 / 710 HW3 / 1350 HW2 / 2500
MAX	BR1 Pro 5G / 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 Pro E / Transit 5G / Transit / Transit Duo / Transit Mini / Transit Core / 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

- **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 8.2.0 or above 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, and 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.

Known Issues

Reference	Description	Device Supported
27870	[FlexModule Plus Ethernet Module] PoE LED will remain "off" after power cycle	X Series: EPX, SDX Pro SDX
27933	[FlexModule Plus 3x SFP+ Module and HA] If FlexModule Plus SFP+ is configured as LAN, and HA with "Resume Master Role Upon Recovery" is enabled, the Slave device cannot be changed back to the Slave role after the Master device is resumed	X Series: EPX, SDX Pro SDX

Improvements

Reference	Description	Device Supported
27716	[Cellular Cat-20] Added carrier selection options	Device with 4G Cat-20 Cellular WAN
27715	[Cellular Cat-20] Added: RAT connection method and Band Selection	Device with 4G Cat-20 Cellular WAN
27591	[Remote User Access] Added: Remote User Access now supports VLAN Interfaces in Drop-in Mode	All Models
27647	[SpeedFusion Connect] Added an option to disable the Peplink Relay latency checking	All Models (Except FusionHub)
27745	[SpeedFusion Connect] Renamed SpeedFusion Cloud Home to SpeedFusion Cloud Relay	All Models (Except FusionHub)

Resolved Issues

Reference	Description	Device Supported
27803	[B20X] Fixed: Device configuration might be restored to factory default after firmware upgrade	X Series: 20X
27755	[System] Fixed: SIP RTP traffic was dropped if the RTP port number was below 1024	All Models
27797	[Wi-Fi WAN] Fixed: Wi-Fi AP might stop working if Wi-Fi WAN was enabled on the same radio	MAX: 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT, HD2)

		Mini, HD1/2 Dome) UBR: UBR LTE MediaFast: HD2/4 X Series: PDX, MBX Surf SOHO
27184	[5G] Fixed Optimal Network Discovery was shown on 5G Cellular WAN incorrectly.	Balance: 310 5G/Fiber 5G X Series: EPX, MBX, SDX Pro, SDX, 310X
27377	[B20X] Fixed WINS Server did not work	X Series: 20X
27490	[BR1 5G Pro] Fixed: Unexpectedly low PepVPN performance	MAX: BR1 5G Pro
27612	[CLI] Fixed: "get wan" commands showed incorrect DNS information	All Models
27486	[DHCP] Fixed: DHCP Offer packets were incorrectly broadcasted, rather than unicasted, to client DHCP requests	All Models
27485	[DHCP] Fixed: If DHCP reservations were defined, the DHCP maximum lease count might be wrong. DHCP clients may not be able to obtain IP addresses.	All Models
27607	[EPX] Fixed: Some options in Cellular WAN were missing after device booted up	X Series: EPX
27505	[HD4] Fixed: Wi-Fi LED was always off if the Wi-Fi interface was WAN mode	MAX: HD4
27269	[InControl] Fixed: WAN Quality Reports on InControl might incorrectly show 2400ms for the latency of Cellular WANs	All Models
27515	[MAX Transit] Fixed: System might become unstable when Wi-Fi Interface turned on	MAX: Transit
27508	[MBX Mini] Fixed: MAC Address conflict on internal interfaces	X Series: MBX Mini
27536	[Surf SOHO MK3] Fixed: Incorrect WAN Latency was detected	Surf SOHO: SOHO MK3
27268	[System] Fixed packets were routed to Hot-standby WAN incorrectly when Low Data Mode is enabled	All Models
27589	[System] Fixed: CVE-2022-0778	All Models
27411	[System] Fixed: DHCP Server did not reply to unicast DHCP renew packets	All Models
27688	[System] Fixed: Schedule Reboot did not work if InControl Management was disabled	All Models
27312	[System] Fixed: WAN Status showed ISP's DNS if "Obtain DNS server address automatically" was disabled	All Models
27608	[USB Ethernet] Fixed: Anker USB Ethernet Adapter	Balance: All

	(AK-A7610011) did not work	MAX: BR1 ENT, HD2/4 Indoor Series MediaFast: All X Series: All Surf SOHO
27287	[Wi-Fi AP Wi-Fi 6] Fixed: Wi-Fi clients could not connect if Client Signal Strength Threshold was defined	MAX: BR1 5G Pro
27661	[Wi-Fi AP] Fixed: Wi-Fi AP with WPA2 Enterprise SSID might not work after upgrading from 8.1.3 or below to 8.2.0	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
27605	[Wi-Fi WAN] Fixed: Wi-Fi WAN upstream might be limited to 20Mbps occasionally	MAX: 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT, HD2 Mini, HD1/2 Dome) UBR: UBR LTE MediaFast: HD2/4 X Series: PDX, MBX Surf SOHO

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/>