

Firmware 8.0.1 Release Notes

Release Date: Oct 31, 2019

Devices Supported

This firmware release supports the following devices:

EPX	EPX
Balance:	20 / 30 / 30 LTE / 30 Pro / 50 / One / 210 / 310 / 305 HW2 / 380 HW6 / 580 HW2-3 / 710 HW3 / 1350 HW2 / 2500
MAX:	BR1 MK2 / BR1 HW2 / BR1 Slim / BR1 Mini / BR1 M2M / BR1 ENT / BR1 IP67 / BR2 / HD2 / HD2 IP67 / HD2 Mini / HD2 Dome / HD4 / HD4 MBX / HD4 IP67 / Transit / Transit Duo / Hotspot / On-The-Go HW2 / 700
Surf:	SOHO HW2 / SOHO MK3
MediaFast:	200 / 500 / 750 / HD2 / HD4
SpeedFusion Engine	SFE
FusionHub	FusionHub

Important Notices

- For BR1 series, the unit must be upgraded to [Firmware 7.1.2](#) first before upgrading to 8.0.0 or above.
- **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.
- Internet Explorer 11 is no longer supported by Web Admin.

New Features

Reference	Description	Device Supported
18627	[AP Controller] Added Fast Roaming 802.11k, 802.11r, 802.11v support	Balance: All MAX: 700, HD2/4, Transit (Except BR1 ENT and HD2 Mini) MediaFast: All EPX
20896	[Firewall] Local Service Inbound Firewall support	All Models
18410	[Outbound Policy Firewall Rules IC2] Added ability to define Outbound Policy and Firewall Rules by a region or a Software-As-A-Service via InControl 2.8.2 or above	Balance: All MAX: All MediaFast: All EPX Surf SOHO
20047	[Cellular Redundant SIM Slots] Added support for scheduled switching between redundant SIM cards.	Balance: 30 LTE/Pro MAX: BR1/2, HD2/4 (Except HD2), Transit MediaFast: HD2/HD4 EPX

Feature Improvements

Reference	Description	Device Supported
17423	[Firewall] Added the option to select any ICMP types in the Firewall Rules page.	All Models
19187	[GPS] The GPS map on the dashboard now displays latitude & longitude values.	MAX: BR1/2, HD2/4, Transit (Except BR1 ENT and HD2 Mini) MediaFast: HD2/4
19536	[AP Controller] Added ability to input custom values when configuring TX power.	Balance: All MAX: 700, HD2/4, Transit (Except BR1 ENT and HD2 Mini) MediaFast: All EPX
20184	[Wi-Fi AP] Added ability to schedule updates to the AP radio channel.	Balance: 30 Pro, One MAX: 700, BR1/2, HD2/4, Transit

		(Exclude: BR1 ENT/HD2 Mini) MediaFast: HD2/4 EPX Surf SOHO
20274	[PoE] Dashboard now displays the PoE availability status.	Balance: 30 Pro MAX: BR1 ENT, HD2/4 MediaFast: HD2/4 EPX
20295	[Web UI] Show the device name on top of Web Admin	All Models
20309	[BGP] Added support of BGP Local Preference	All Models
20443	[IPsec] Added "NULL & MD5" in IPsec Phase 2 Proposal	All Models
20484	[Cellular] Added ability to send SMS short code.	Balance: LTE, 30 Pro MAX: BR1/2, HD2/4, Transit MediaFast: HD2/HD4 EPX
20539	[Web UI & Captive Portal] SSL certificate updated	All Models
20555	[PepVPN] URL Logging now shows the serial number of the remote PepVPN peer	All Models
20607	[SpeedFusion] Reduced the time needed to establish PepVPN connections when hundreds of SpeedFusion profile connect at the same time.	Balance: B210 or above MAX: 700, HD2/4, Transit MediaFast: All SFE, EPX FusionHub
20620	[Web UI] Enforced password change after the first bootup, or when the default admin password is used.	All Models
20706	[Cellular & Web UI] Network Selection renamed as Carrier Selection	Balance: LTE, 30 Pro MAX: BR1/2, HD2/4, Transit MediaFast: HD2/HD4 EPX
20715	[Wi-Fi AP] Introduce SSID Firewall	Balance: 30 Pro, One MAX: 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT/HD2 Mini) MediaFast: HD2/4 EPX Surf SOHO
20812	[Wi-Fi WAN] Supports Acceptable Signal Threshold	MAX: 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT/HD2 Mini)

		MediaFast: HD2/4 EPX Surf SOHO
20822	[QoS] Added Youtube and Netflix applications.	All Models
20878	[AP Controller & Wi-Fi AP] Auto Channel Schedule support on AP Controller and Integrated AP	Balance: All MAX: All MediaFast: All EPX Surf SOHO
20891	[Wi-Fi AP] 802.11w Management Frame Protection support	Balance: 30 Pro, One MAX: 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT/HD2 Mini) MediaFast: HD2/4 EPX Surf SOHO
21028	[Docker] Support importing image from URL	MediaFast: 500, 750
21161	[SNMP] SNMPv3 Authentication and Privacy passphrase supporting special characters	All Models
21168	[SpeedFusion] MAX HD2/HD4 MediaFast is now support SpeedFusion Bonding.	Balance: B210 or above MAX: 700, HD2/4, Transit MediaFast: All SFE, EPX FusionHub
20570	[FusionHub] Added Layer 2 SpeedFusion Support	FusionHub
13388	[FusionHub] Added Remote User Access support	FusionHub
21284	[DPI] Enhanced the protocol support for Outbound Policy, QoS > Application.	All Models
20791	[Cellular CAT12] Cellular Details now displays 3CC Carrier Aggregation band as well as signal information.	MAX: BR1 ENT, Transit, HD2/HD4 EPX
21196	[Cellular USB] Added ability to define a custom TTL value for cellular and USB WAN Interfaces.	Balance: All MAX: All MediaFast: All EPX
21554	[GRE] Added GRE Tunnel as a standard feature	All Models

Resolved Issues

Reference	Description	Device Supported
18839	[PepVPN] Fixed a stability issue where the router cannot establish a new connection even after a prolonged period of time	All Models
19086	[System] Devices experience high CPU loads when viewed from the InControl 2 dashboard.	All Models
20311	[WAN] WAN links may disconnect and reconnect after pressing "Apply Changes".	All Models
20480	[Balance & Cellular] Unable to reset cellular WAN from the Balance Web UI.	Balance: 30 LTE/Pro
20502	[Wi-Fi AP] When the "Turn off AP when there is no Internet connectivity" feature is enabled, the SSID may stop broadcasting after a WAN disconnects and reconnects following a defined SSID schedule.	Balance: 30 Pro, One MAX: 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT/HD2 Mini) MediaFast: HD2/4 EPX Surf SOHO
20579	[Web UI] Unable to save some advanced Wi-Fi AP settings	All Models
20683	[Web UI] When creating new VLAN, the list of existing Layer 2 PepVPN profiles shows up as empty.	All Models
20689	[Web UI & EPX] For the EPX, module WANs will still appear on the dashboard after the module has been removed.	EPX
20723	[Cellular] Do not switch SIM card if SIM PIN status is unknown	Balance: LTE, 30 Pro MAX: BR1/2, HD2/4, Transit MediaFast: HD2/HD4 EPX
20739	[PepVPN] PepVPN may stuck at updating routes status	All Models
20832	[WAN Analyzer PepVPN] Fixed an issue which affected the WAN Analyzer and PepVPN test cannot be completed.	All Models
20936	[OpenVPN] Remote User VPN will be disconnected after apply changes	All Models
20957	[Cellular] Cellular WAN may stop working if the SIM	Balance: LTE, 30 Pro

	cards invalid.	MAX: BR1/2, HD2/4, Transit MediaFast: HD2/HD4 EPX
20998	[System] Fixed for TCP SACK CVE-2019-11477 CVE-2019-11478 CVE-2019-11479	All Models
21016	[SpeedFusion] Fixed the issue of too early to release out of order packet sequence.	Balance: B210 or above MAX: 700, HD2/4, Transit MediaFast: All SFE, EPX FusionHub
21018	[Cellular on HD4 MBX & EPX] Fixed the issue of Network Selection page cannot be shown correctly	MAX: HD4 MBX EPX
21107	[Drop-in Mode IP Passthrough] IP Passthrough / Drop-in Mode with shared IP can now support another network from LAN	Balance: 210 or above MAX: BR1, Transit
21133	[Web UI] Drop-in mode setting may be lost after add/modify any settings on LAN Settings page	All Models
21134	[Drop-in Mode & Web UI] Invalid IP on Setting page will be shown if configured Drop-in Mode with Shared IP	Balance: 210 or above
21187	[Wi-Fi AP] Fixed the connectivity issue after set Auto Channel.	Balance: 30 Pro, One MAX: 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT/HD2 Mini) MediaFast: HD2/4 EPX Surf SOHO
21201	[Cellular] Cellular WAN may not enter restriction mode.	Balance: LTE, 30 Pro MAX: BR1/2, HD2/4, Transit MediaFast: HD2/HD4 EPX
21243	[System] DPI functionality may cause system instability.	All Models
21290	[System & IC2] Using InControl 2 on devices running Firmware 8.0.0 may cause system instability.	Balance: B305/380 or above EPX
21298	[System] URL Logging may cause system instability.	All Models
21376	[Cellular] The cellular modem may stop working after it has been reset many times.	Balance: LTE, 30 Pro MAX: BR1/2, HD2/4, Transit MediaFast: HD2/HD4 EPX
21523	[WAN & B20] WAN1 becomes unstable when the	Balance: 20/30

	"Advertise Speed" option is disabled	
21533	[Wi-Fi AP RADIUS] WPA2 Enterprise may not work with the RADIUS server over SpeedFusion	Balance: 30 Pro, One, 305 or above MAX: 700 HW5, HD2/4, Transit MediaFast: HD2/4 EPX
21569	[Web UI] Active Session incorrectly displays an IPsec session as PepVPN.	All Models
21587	[SNMP] SNMP does not show the WAN standby status correctly MIB Download: https://download.peplink.com/resources/balance_max_snmp_mib-8.0.1.zip	All Models

Known Issue

Reference	Description	Device Supported
21634	[Cellular & Web UI] Under the menu "Cellular Settings > Failback to Preferred SIM when...", the value of the variable "Non-preferred SIM is connected for..." cannot be set to 60 minutes or above, or else it will revert back to 1 minute.	Balance: LTE, 30 Pro MAX: BR1/2, HD2/4, Transit MediaFast: HD2/HD4 EPX

Report an Issue

To report a bug, please open a support ticket at <https://contact.peplink.com/secure/create-support-ticket.html>.

For the latest development news and known issues, take a look at our forums: <https://forum.peplink.com/>