Firmware 8.0.1 RC2 Release Notes

Release Date: Sep 30, 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
- **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**

Resolved Issues

Reference	Description	Device Supported
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]** For the EPX, module WANs will still appear on the dashboard after the module has been removed.	**All Models**
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 cards invalid.	**Balance:** LTE, 30 Pro **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**
21503	**[Wi-Fi WAN]** Signal Info does not show properly on the Dashboard. Issue found in 8.0.1 RC1	**MAX:** 700, BR1/2, HD2/4, Transit (Exclude: BR1 ENT/HD2 Mini) **MediaFast:** HD2/4 **EPX** **Surf SOHO**
21532	**[System]** Fixed high CPU issue found in previous 8.0.1 Beta an RC builds	**All Models**

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/