Release Note

Edgecore EAP112 Release v12.6.7

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Enhancement from v12.6.5-2542-397a87a46-cfa3180

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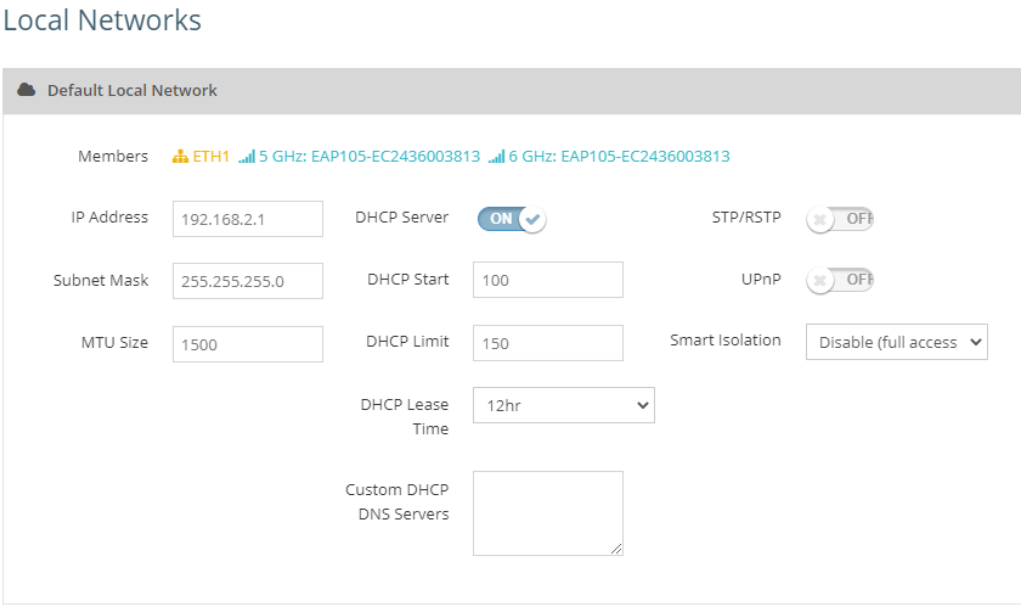
1 Feature

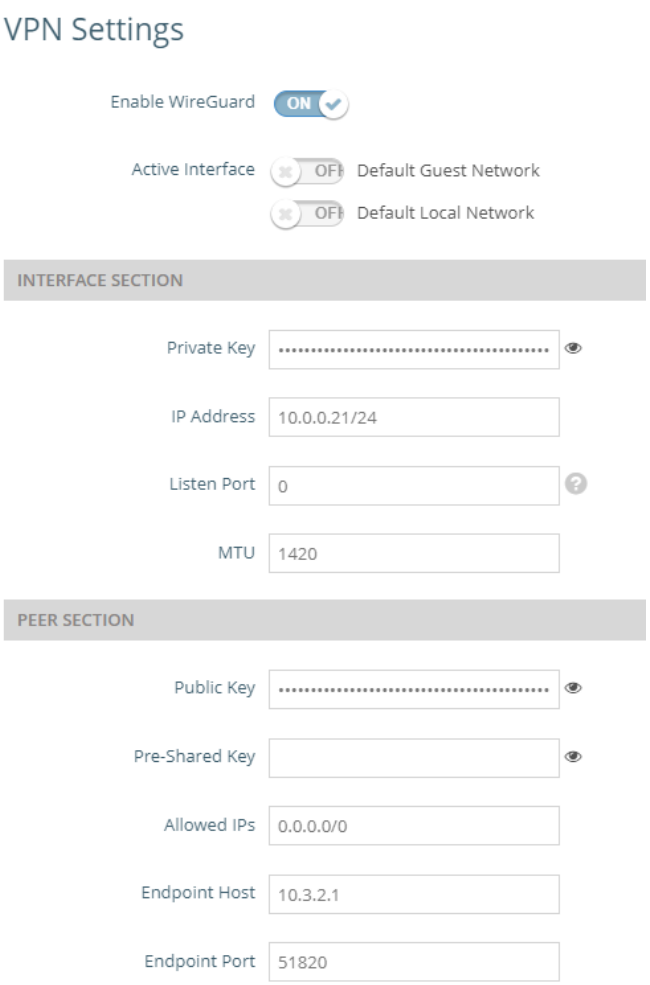
1.1 Support RSTP



RSTP is supported on the LAN Settings page.

If the STP/RSTP button is enabled for the local network, the AP will automatically activate RSTP or STP.

1.2 Support WireGuard



Support for WireGuard on the VPN settings page.

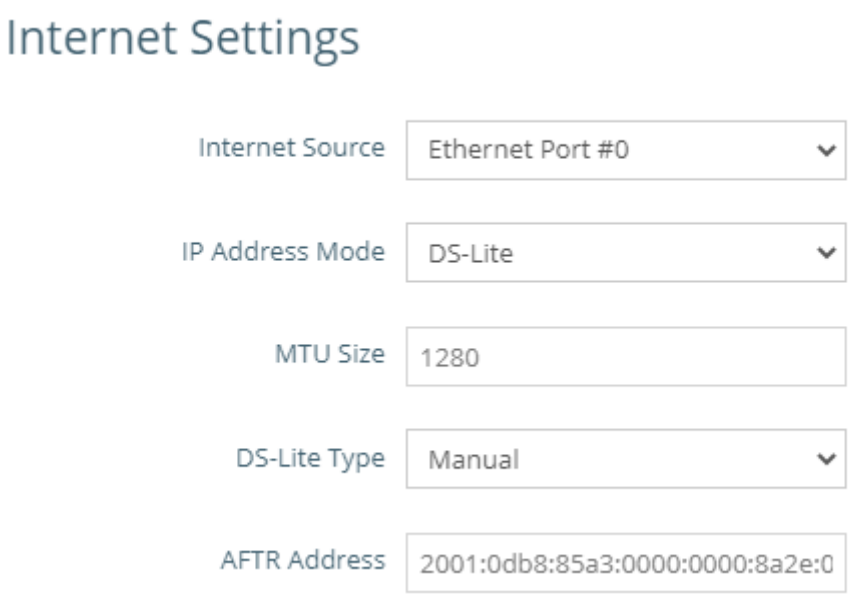
1 Enable WireGuard: A button to disable or enable the WireGuard client.
2 Interface Section
  2.1 Private Key: Displayed as a password field (can be viewed). Manually enter a key pair or click "Generate Key Pairs" to automatically generate a unique 32-byte private and public key.
  2.2 IP Address: Enter an IPv4 subnet provided by the WireGuard VPN server.
  2.3 Listen Port: Auto (0) or specify an optional UDP port number (between 0 and 65535).
  2.4 MTU (Optional): The Maximum Transmission Unit (MTU) size. The default value is 1420.
3 Peer Section
  3.1 Public Key: Displayed as a password field (can be viewed). Copy and paste the public key from the WireGuard VPN server's configuration.
  3.2 Pre-Shared Key (Optional): Displayed as a password field (can be viewed). Specify this key only if a pre-shared key has been configured on the VPN server.

3.3 Allowed IPs: Specify the list of addresses that are routed to the peer. Enter at least one IPv4 subnet containing the internal IP addresses of the WireGuard connection. To allow packets from any IP subnet, enter 0.0.0.0/0 (default).

3.4 Endpoint Host: Specify the hostname or IPv4 address of the WireGuard server.

3.5 Endpoint Port: Specify the port of the WireGuard server (default: 51820). Range: 1-65535.

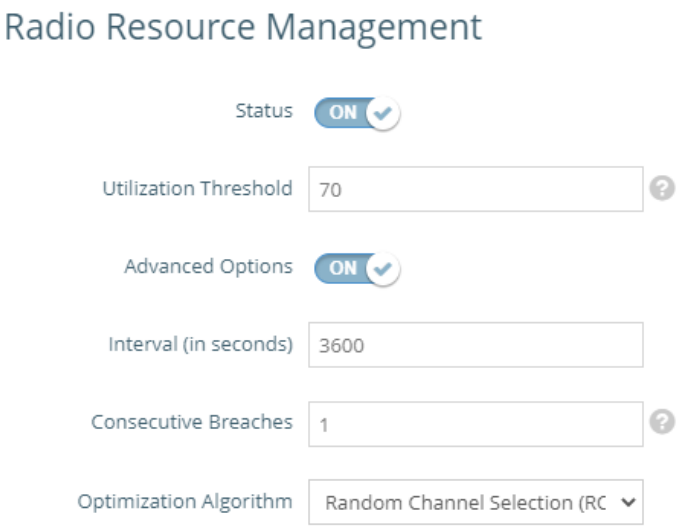
1.3 Support DS-Lite



Support DS-Lite on the Internet Settings page.

1. DS-Lite Type: Manual or Auto. If set to Auto, the AP will find the AFTR Address automatically. If set to Manual, the AFTR Address field will be displayed below.
2. AFTR Address: Enter the IPv6 address of your Internet Service Provider (ISP)'s AFTR (Address Family Transition Router) or a valid domain name.
3. MTU: The Maximum Transmission Unit (MTU) size. The default value is 1280.

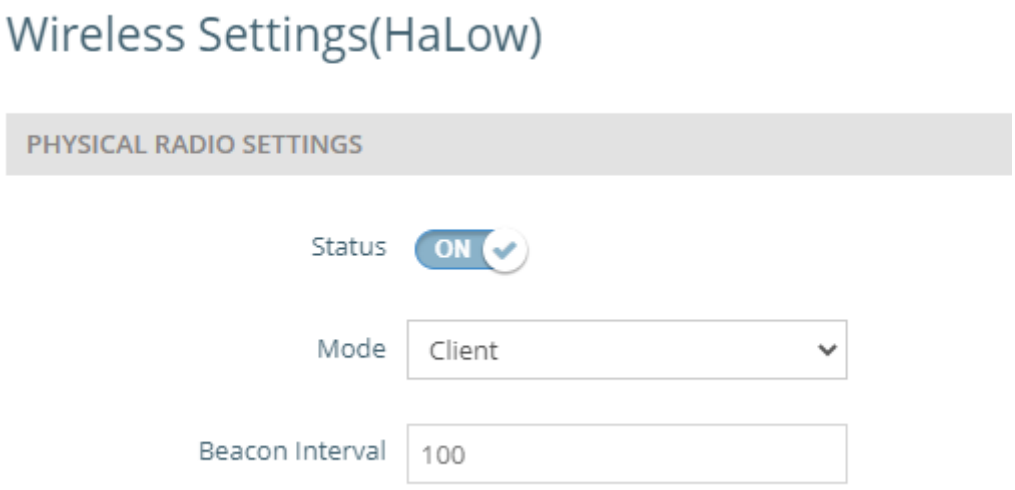
1.4 Support Radio resource management



Support Radio Resource management on the Radio Resource management page.

1. Radio Resource management: Enable or disable the Radio Resource Management feature.
2. Utilization Threshold: The percentage of airtime utilization threshold. If set to 70, channel optimization considers triggering when utilization exceeds 70%.
3. Advanced Options: Enable or disabled the advance options.
4. Interval (Sec): It defines the interval (in seconds) to check channel utilization.
5. Consecutive Breaches: It specifies the number of consecutive times for the channel utilization to be higher than the threshold before triggering channel optimization.
6. Optimization Algorithm: "Auto Channel Selection (ACS)" or "Random Channel Selection (RCS)" for selection.

1.5 Support Auto-Connection in HaLow Client



Support Auto-Connection in HaLow Client Mode.

In the previous version, the bandwidth and channel had to be manually selected in the UI for HaLow client mode. In this version, the bandwidth and channel selection has been removed. The HaLow client can now automatically connect to the HaLow AP without requiring a manual bandwidth or channel selection.

1.6 Support BL100 IP Camera

In this version, when the BL100 IP camera is connected to the AP through LAN port or HaLow, the BL100 IP camera can be managed by the AP and its firmware can be upgraded via ecCLOUD. The AP will automatically upgrade the IP camera once the new BL100 firmware is selected on the ecCLOUD platform.

2 Issue Fixed

2.1 The network connection becomes unstable if the Ethernet port is disabled in the UI.

Disabling the Ethernet port through the device's User Interface (UI) leads to instability in the network connection. In this version, the issue has been resolved.

2.2 Wireless Scheduling is not working.

In previous versions, when a scheduled time slot for a wireless SSID expired, the SSID would remain enabled instead of being disabled. This has been corrected. The SSID is now correctly disabled after the scheduled end time.

2.3 The AP's MAC address is incorrect after restoring a backup file from a different AP.

Restoring a configuration backup file from one Access Point (AP) onto another AP causes the device's unique hardware MAC address to be overwritten by the MAC address contained in the backup file. In this version, the issue has been resolved.

2.4 The HaLow WDS connection is occasionally unstable.

Previously, the HaLow WDS connection between an AP in HaLow AP mode and an AP in HaLow client mode was sometimes unstable. This issue has been resolved in this version.

2.5 The 2.4GHz or 5GHz client mode AP is not displayed on the wireless dashboard of the AP in AP mode if it is connected to an SSID that is not the first one.

Previously, when a 2.4GHz or 5GHz client mode AP connected to an SSID other than the first one configured, it was not displayed correctly on the wireless dashboard of the AP in AP mode. This issue has been resolved.

2.6 LAN port clients sometimes can't get an IP address after a factory reset.

A client connected to the LAN port sometimes fails to get an IP address after the device is reset to factory defaults. In this version, the issue has been resolved.

2.7 A HaLow client cannot get an IP address when the AP is in “route to Internet” mode.

After a factory reset on an AP in HaLow AP mode with route to Internet mode, the HaLow client AP was unable to get the correct IP address. In this version, the IP is now obtained correctly.

2.8 The BLE scan result is empty if the BLE probe request data push is disabled.

When the BLE probe request data push was disabled, BLE scan results were empty. BLE scan results are now normal in this version.

2.9 The ARP inspection function is not operational.

Previously, enabling ARP inspection caused a kernel panic on the AP. This kernel panic issue has been resolved in this version.

3 Known Issue

3.1 The mesh AP cannot connect to the Internet with WPA3 personal if the mesh link is established.

3.2 The client cannot get the IP with the “Bridge to Internet” SSID if the WDS link is established.

4 Compatible Version for AP Management

Compatible with ecCLOUD