



Release Note

Edgecore EAP105 Release v12.6.13

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1 Feature

1.1 Support SNMP MIB file

Added SNMP MIB file support, allowing network management systems to query standardized management information from the access point via SNMP protocol.

1.2 Support RTTY on AP

Added RTTY (Real-Time Terminal) support enabling administrators to access a remote console session to the AP directly from the ecCLOUD dashboard. The feature uses a secure TLS connection with certificate-based authentication to the RTTY server.

1.3 Support Ping Watchdog

Ping Watchdog periodically pings a configurable primary IP (with optional failover IP) to verify connectivity, and automatically reboots the device after a set number of consecutive ping failures. Users can enable/disable the feature and configure IPs, ping interval, and failure threshold from the UI.

2 Issue Fixed

2.1 Authport does not work

Fixed and enabled the authentication port (authport) functionality, allowing proper RADIUS authentication port configuration to work correctly.

2.2 BSS coloring issue with 5G radio

Fixed BSS coloring functionality issue on the 5GHz radio, ensuring proper BSS color assignment for improved spatial reuse in dense deployments.

2.3 Wi-Fi rate unstable, throughput fluctuates up and down

Under interference, Wi-Fi rate selection jumps around erratically, causing unstable or degraded throughput. Fixed by porting upstream rate selection stability improvements and correcting TX status reporting so the AP can more accurately assess link quality and pick the right rate.

2.4 Group WPA rekey too frequent, causing client disconnections

The default Group WPA rekey interval is too short, causing clients to disconnect periodically in the enterprise and personal SSID. Fixed by extending the rekey interval to 24 hours and disabling PTK0 rekey behavior that can cause brief connectivity drops.

2.5 Clients fail to connect after DFS channel switch

When AP switches to a DFS channel, some Intel Wi-Fi clients cannot reconnect to the AP. The issue is caused by the AP incorrectly removing its Wi-Fi capability information during the channel switch. Fixed by ensuring the AP preserves its full Wi-Fi capability advertisements throughout the channel switch process.

2.6 Client packet loss and disconnections during PTK rekey

During PTK rekey, the AP flushes all Wi-Fi transmit queues, causing packet loss and brief disconnections. This is particularly noticeable with latency-sensitive applications such as Microsoft Teams. Fixed by enabling the CAN_REPLACE_PTK0 feature flag in the ath12k driver, allowing PTK rekey to happen seamlessly without interrupting client traffic.

2.7 Windows devices cannot find SSID in 20 MHz Wi-Fi 7 (802.11be) mode

When the radio bandwidth is set to 20 MHz in Wi-Fi 7 (802.11be) mode, Windows devices fail to see the SSID in their Wi-Fi scan list. This is caused by incorrect wireless capability information

being advertised in the beacon frames. Fixed by correcting the bandwidth mode handling so the AP broadcasts the proper 20 MHz configuration, allowing Windows clients to discover and connect to the network normally.

2.8 Device kernel panic (OOM)

Fixed a kernel panic issue caused by out-of-memory (OOM) condition on devices running v12.6.9-2870.

2.9 SNMPd IP monitoring connections causing excessive memory usage

Fixed an issue where SNMPd IP monitoring connections were causing excessive memory usage.

2.10 Sometimes device will turn offline in Dashboard

Fixed an issue where devices would intermittently show as offline in the ecCLOUD Dashboard despite being operationally online.

2.11 The encryption type for WPA3-Enterprise is displayed incorrectly

Fixed an issue where the encryption type for WPA3-Enterprise was displayed incorrectly in the user interface.

2.12 Web UI shows throughput interruption during data connection

Fixed an issue where the Web UI displayed throughput interruption indicators during active data connections.

2.13 DS-lite tunnel was not work

Fixed DS-Lite (Dual-Stack Lite) tunnel functionality that was not working, restoring IPv4-over-IPv6 tunneling capability.

2.14 The Host name/IP Address is not displayed in the client list of ecCloud

Fixed an issue where client hostname, operating system, and IP address information was not displayed in the ecCLOUD client list.

2.15 A lot of UDP broadcast packets are sent on port 16720

Fixed an issue where excessive UDP broadcast packets were being sent on port 16720, reducing unnecessary network traffic.

3 Known Issue

3.1 The WDS link is not established if the wireless security is no security.

4 Compatible Version for AP Management

Compatible with ecCLOUD