

AerDocsis System Software Software Release Notes

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1. Compatible devices and minimum versions

Product family	Devices	Minimum versions
User Terminal		
CPE400	AXS-CPE450-15 AXS-CPE450-RS	HoneybeeM1 19.6.6172

2. What's new in this release?

2.1 New Features

2.1.1 User Terminals

Configuration Files

The configuration file download interface allows you to customize the file name based on device-specific parameters.

Faster Spectrum Analysis

Spectrum analysis has been optimized to take less time, minimizing the duration that devices are offline.

2.2 Improvements

2.2.1 User Terminals

Health Monitor

The performance of internal algorithms has been improved.

Web

- Several changes have been made to the classic web interface to improve information display and facilitate interaction with the devices:
- Shutting down the radio system will now require confirmation to prevent accidental service interruptions.
- Redundant text has been removed.
- The “Location” and “Name” fields are not displayed if they do not contain useful information, both in the header and in the System Info table on the Status & Alarms web page.
- The type (BS/SS) is not displayed in the header if the device can only have a single value.
- The serial number is displayed in the header.
- The action icons (add, delete, copy, etc.) have been updated to improve usability.

- The “Features” and “CA Certs” menu items have been removed.
- The wired link status is not displayed if the device is configured for auto-negotiation and no link has been established.
- The main content of the page no longer scrolls below the menu if the browser window is not wide enough.
- Several data tables have been modified so that their column widths do not change between refreshes.
- The frequency readings in the spectrum analyzer graphs would take on a value during analysis and change when the analysis ended. Now, only the correct value is displayed when the analysis ends.
- The tables on the Traffic Stats page no longer display non-numeric or incorrect values when radios are stopped.

Log

Redundant log messages have been removed.

Internal

Bugs that caused some internal communications with the radios to be duplicated have been fixed.

2.3 Fixed Issues

2.3.1 User Terminals

Radios Detecting Excessive Interference

Fixed an issue that caused some radios to start detecting excessive interference on the channel and fail to switch to other frequencies with better signal quality.

Spectrum Analysis

Fixed an issue that caused spectrum analysis to take longer than expected in single-cycle mode. Service interruption is now shorter.

In addition, a bug has been fixed that prevented radios from turning on automatically after continuous-mode analysis if they had been previously powered off.

Web

The sensitivity adjustment in the spectrum analyzer now works correctly.

Radio Disconnections

Errors have been fixed in the equipment health monitor that could cause radio disconnections or transmission losses if the configured action interval was set too low.

Radio Startup

The radio startup mechanism has been modified to prevent delays in responses between certain internal system processes, which were causing brief freezes.

A bug has also been fixed that, on very rare occasions, prevented a radio from starting up, requiring a second startup attempt and thereby prolonging the time needed for the device to become fully operational.