Release Notes
System Software 3.2.1.2

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1 Note

This version is only available for W2044ax and W2022ax and for APR2044ax.

2 New functions and changes

- W2022ax and W2044ax can now be used as **DHCP servers.** The prerequisite is that the LAN interface has a fixed IP configuration. No other DHCP servers should be active in the local network.
- Downstream throughput in the 2.4GHz band and **throughput** in both directions in the 5GHz band have been improved.
- The **maximum number of MAC filter entries** for wireless LAN network clients per wireless LAN network interface is again unlimited in the configuration and is only practically restricted by the free working memory of the access point. At least *1024* entries are possible depending on the number of configured WLAN networks.
- Deleting and **changing SSIDs** used to take up to 30 seconds and now takes only a few seconds. The response time for configuration changes and page changes within the configuration interface has also been noticeably accelerated.
- The **SIA file** available from the **External Reporting > SIA** menu now contains more comprehensive device diagnostic data in a compressed archive file, including system crash logs and archived logs. This new SIA file is saved by default under a device-specific file name consisting of device type and serial number. In addition, when operating the access point on a WLAN controller, this SIA file can now be uploaded from the WLAN controller to a TFTP server during operation. Direct access to the access point's configuration interface is no longer necessary for this purpose.
- The obsolete (and very rarely used) *802.11b* **wireless mode** (in the 2.4GHz frequency band) is supported by W2022ax and W2044ax and can be activated on these devices.
- In the **Wireless LAN > WLAN > Radio module settings** menu**,** the configured wireless mode is displayed on the overview page.
- On devices with more than one **Ethernet port** (e.g., APR2044ax), only the first Ethernet port is active during the device startup process. Further Ethernet ports are activated only after the startup phase.
- When operating on the **Cloud Net Manager,** the access point reports the operating states of its WLAN radio modules to the server.

3 Error corrections

- **ER#5523**, **ER#5738**: When *802.11ax* wireless mode was active, the access point froze when connected to a PC/notebook with a built-in Intel AX201 Wi-Fi chip. This error has been corrected.

- **ER#5664:** When operating on the WLAN controller, some access points in certain configurations "froze" after several weeks and could no longer be accessed via the WLAN controller or the local configuration interface. Affected access points could only be reactivated by a cold start. This error has been corrected.
- **ER#5701:** The W2044ax showed sporadic reboots when operating on a WLAN controller in some installations due to delayed periodic responses to requests from the WLAN controller. This error has been corrected.
- **ER#5531**: The following vulnerabilities have been fixed:
    - CVE-2020-24588
    - CVE-2020-26144
    - CVE-2020-26139
    - CVE-2020-26146.
- When operating on a WLAN controller, **MAC filter access lists** configured in the WLAN controller for VSS profiles that were deactivated were nevertheless rolled out on the access point and were also incorrectly active there. This error has been corrected.
- **ER#5723:** When operating on a WLAN controller, the access point did not report the WLAN clients connected with *OWE* to the WLAN controller for WLAN networks with security mode *OWE transition.* This error has been corrected.
- **ER#5484:** When operating on a Cloud Net Manager, the access point reported incomplete neighbor access point information to the Cloud Net Manager if the access point's system time was incorrect (e.g., due to an incorrectly set time server in the local network router). This error has been corrected.
- **ER#5676:** When operating on a Cloud Net Manager, the Cloud Net Manager server incorrectly reported the error message "Setup internal agent parameters" in its error log after successfully provisioning the access point. This error has been corrected in the access point.
- **ER#5517:** When operating on a WLAN controller, the access point now reports the actual step values it supports for optional transmission power reduction to the WLAN controller.
- **ER#5519:** In the case of neighbor access points in the 2.4GHz band with bandwidth 40MHz, their secondary channel was reported incorrectly to the WLAN controller in some cases. This error has been corrected.
- Neighbor access points with the outdated security mode *WPA* and neighbor access points with the still very rarely encountered, modern security mode *WPA 3 Enterprise CNSA* were not always detected correctly and, when operated on a WLAN controller, were usually reported to the WLAN controller with the **incorrectly detected security mode** *None in* these cases. This error has been corrected.
- In very rare cases, the access point could **fail to load its configuration** during startup and, as a result, incorrectly reset the system software to the previous version (present in the backup flash memory of the device). This error has been corrected.

4 Known problems

- **The AP Steering** and **Radio Resource Management (802.11k)** settings are included in the configuration interface but have no function in this release.