



Firmware Release Note

Advanced Line Managed Switch

IE-SW-AL16M-16TX (Article No. 2682310000)

Attention: Before commissioning the device for the first time, we strongly recommend checking the installed firmware version and updating to the latest version, if a newer one is available for download from the Weidmüller website.

For information on bug fixes, implementation of new functions and other adjustments to previously released firmware versions, please read below release notes carefully.

Version 1.18

Release date: July 02, 2026

Feature Enhancements / Updates:

- Support of Weidmüller Network Management System **u-netops**. Devices updated with this firmware can be found in a switched network and configured via u-netops.
- Support of new private OIDs for retrieving the firmware version (ovFwVersion) and initiating a device reboot (ovReboot) provided in new section 'swOpenVision'.

Note: New OIDs available in downloadable device-specific private MIB file dated from 2026-07-02 or later.

Version 1.17

Release date: October 29, 2025

Feature Enhancements / Updates:

- Remove of feature '*Port-based VLAN*' due to the hardware design that ports for setting a VLAN could not be used freely. The same VLAN ID only could be assigned for ports being in the same port block, means either in block 1 (Ports 1 to 8) or block 2 (Ports 9 to 16). For having an alternative, the adequate function of a port-based VLAN can also be configured via tag-based VLAN (IEEE 802.1Q).
- New parameter '*Server UDP Port*' added to allow a free setting of UDP port number (default 514) for communication with a remote syslog server.
- Note added on web pages '*Redundancy → O-Ring*' and '*Redundancy → O-Chain*' indicating that O-Ring respectively O-Chain ports – due to technical design - must be selected within the same port block, either in block 1 (ports 1 to 8) or in block 2 (ports 9 to 16). The port numbers for the coupling and homing port do not have this limitation and can be freely selected.

Bug Fixes:

- A Port VLAN-ID could not be changed via SNMP if the VLAN-ID had 4 digits.
- Fix of Telnet vulnerability (CVE-2020-10188).

Version 1.14

Release date: February 13, 2025

Feature Enhancements / Updates:

- Improvement of secured device access (Remove of outdated cipher suites for HTTPS and SSH).
- Menu Redundancy → RSTP → Information: Device status/role (being the root bridge or not) now explicitly will be displayed.

Bug Fixes:

- Continuous access to the management interface (Ping and SNMP requests) with a very high repetition frequency could block access to the management interface after longer operation time.
- Fix of link/communication problem with special Ethernet devices (noticed with B&R PLC) which could happen at power-up.

- Menu System Information: Fix of wrong redundancy naming (RST was displayed instead RSTP).
- Fix of CVE-1999-0524 (ICMP Timestamp Request Remote Date Disclosure).

Version 1.12

Release date: July 25, 2024

Bug Fixes:

- For transmitting Ethernet frames (normal, not Jumbo frames) the allowed byte length of an Ethernet packet has been increased from maximum 1522 bytes (SrcAddr+DstAddr+VLan+Length+Payload+CRC) to 1600 bytes. This enlargement allows also passing frames generated by devices using HSR/PRP redundancy protocol which adds 6 additional bytes to an Ethernet frame containing HSR/PRP control information. Previously, those frames with size > 1522 bytes have been dropped.

Version 1.11

Release date: March 14, 2023

Bug Fixes:

- Fix of issue regarding password management (Normally allowed characters ! @ # \$ - _ have not been accepted after applying a changed password). This bug first appeared with firmware V1.10.

Version 1.10

Release date: February 13, 2023

Feature Enhancements / Updates:

- Improvement of password management (Web interface menu "Admin Password"). Passwords now can be seen encrypted or as readable text. Password length adapted to range from 7 to 31 characters with a hint about allowed characters.

Bug Fixes:

- Fix of issue that SNTP caused incorrect syslog format.
- Syslog shows each time when system time is updated by SNTP server.

Version 1.08

Release date: June 28, 2022

Feature Enhancements / Updates:

- Improvement of Web interface appearance.
- Extended information in the Help-Webpages for menus VLAN and Redundancy (O-Ring, Ring Coupling, Dual Homing and O-Chain).
- Provision of new SNMP parameters for O-Ring and O-Chain redundancy.

Note: For new SNMP parameters use private MIB file IE-SW-AL16M-16TX_v1.08_2022-06-20.mib (or a newer version with higher firmware version number).

Bug Fixes:

- Fix of Dual Homing issue (could lead to a traffic loop).
- Adaption of Modbus Register table (Vendor name and device model name now will be retrieved correctly).

Version 1.06

Release date: November 05, 2021

- Initial firmware version!