



Firmware Release Note

Advanced Line Managed Switch

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

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- Improvement of secured device access (Remove of outdated cipher suites for HTTPS and SSH).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!