LANSEN

LAN-WMBUS-C4

Release Information

1 MAIN-V19, SHIELD-V18

Date: 2026-10-30

1.1 NEW FEATURES

- **Configurable response for unlisted sensors**
  The C4 can now be configured to either return *0xFF* or provide *no response* when a requested sensor is not present in the sensor list. Disabling the response can reduce discovery times for PLC/DUC/M-Bus masters that interpret 0xFF responses as valid device replies.

- **Support for Security Mode 7 (OMS Security Profile B)**
  AES-128-CBC decryption, AES-CMAC authentication (8-byte MAC only), OMS key derivation (KDF-A).
  Transport Layer: Short and Long TPL headers supported.
  Extended Link Layer (ELL): Header parsing supported.
  Authentication and Fragmentation Layer (AFL): Supported for the implemented Mode 7 configurations.
  Limitations: Mode 7 support is limited to 8-byte AES-CMAC as defined in OMS Security Profile B.

1.2 BUG FIXES

- **Reboot command only rebooted shield**
  Both boards are now rebooted when reboot command is received.
  The board LEDs flash quickly before rebooting.

- **Duration wrap around to negative**
  The time wrapped around to a negative number after 9 h 6 min 7 s.
  The wrap around time is now 68 years.

2 MAIN-V18, SHIELD-V17

Date: 2025-11-19

2.1 NEW FEATURES

- Add KEY STATUS = DECRYPTION_UNSUPPORTED

2.2 BUG FIXES

- Fix key status for encryption mode not supported and header not supported.
- Update device type and version if they are set to 0xFF.
- Always clear packet received when index is found.
- Change to set unsupported header if value is instead of 0 (changed back).
- Change KEY info to KEY NEEDED when wrong-key and no-key is set in status.