LANSEN

EU Declaration of Conformity

Product description:
Lansen (LAN) wireless M-Bus (-WMBUS) fifth generation gateway (-GW5) with either extended battery (-BE) or mains (-M) power, long-range filtering (-LR), for indoor (-A1) or outdoor (-A2) usage. The device has optional external antenna interfaces, one for wireless M-Bus ($-X_1$) and one for cellular network ($-X_2$).

The device comes with either LTE CAT-M1 (-CATM1) or LTE CAT-1 bis/4G (-CAT1/4G) and has an optional module card for wired M-Bus (-MA_NBR), where NBR is the number of supported wired M-Bus slave devices it can handle.

Order code:
LAN-WMBUS-GW5-M-LR-A1-(X_1)-CATM1-(X_2)-(MA_NBR)
LAN-WMBUS-GW5-M-LR-A1-(X_1)-CAT1/4G-(X_2)-(MA_NBR)

LAN-WMBUS-GW5-M-LR-A2-(X_1)-CATM1-(X_2)-(MA_NBR)
LAN-WMBUS-GW5-M-LR-A2-(X_1)-CAT1/4G-(X_2)-(MA_NBR)

LAN-WMBUS-GW5-BE-LR-A1-(X_1)-CATM1-(X_2)-(MA_NBR)
LAN-WMBUS-GW5-BE-LR-A1-(X_1)-CAT1/4G -(X_2)-(MA_NBR)

LAN-WMBUS-GW5-BE-LR-A2-(X_1)-CATM1-(X_2)-(MA_NBR)
LAN-WMBUS-GW5-BE-LR-A2-(X_1)-CAT1/4G -(X_2)-(MA_NBR)

This declaration of conformity is issued under the sole responsibility of the manufacturer. We certify that the apparatus detailed above is in conformity with following directives:

- Radio Equipment Directive (RED) 2014/53/EU
- RoHS Directive 2011/65/EU (EU) 2015/863

by application of the following harmonised standards:

EN 300 220-1 V3.1.1 (2017-02)
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methods of measurement.

EN 300 220-2 V3.1.1 (2017-02)
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non-specific radio equipment.

EN 301 489-1 V2.2.3 (2019–11)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility.

EN 301 489-3 V2.3.2 (2023-01)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.

EN 61000-6-1 (2019)
Electromagnetic compatibility (EMC) - Part 6-1: Generic standards – Immunity standard for residential, commercial and light-industrial environments.

EN 61000-6-3 (2007) / A1:2011
Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments.

EN 61000-4-2 (2009)
Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test.

EN 61000-4-3 (2006), /A1:2008, /A2:2010
Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement - Radiated, radio-frequency, electromagnetic field immunity test.

EN 61000-4-4 (2012)
Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test.

EN 61000-4-5 (2014)
Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test.

EN 61000-4-6 (2014)
Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields.

EN 61000-4-11 (2004)

Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests.

EN 62368-1:2020

Audio/video, information and communication technology equipment - Part 1: Safety requirements.

EN 63000:2018

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substance.

Third-Party Test House

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