

EU DECLARATION OF CONFORMITY

Radio equipment: **LR77 v2** with product numbers **BB-LR2B71V0XY-ZZZZ**,
LR77 v2 with product numbers **BB-LR2F71VWXY-ZZZZ**

Name and address of the manufacturer:

Advantech B+B SmartWorx s.r.o., Sokolska 71, Kerhartice, 562 04 Usti nad Orlici, CZ,
phone +420 465 524 421, cellular.info@advantech-bb.cz, www.advantech.com

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration:

LTE router **LR77 v2** – Equipment for wireless data transmission in LTE, HSPA+, UMTS, GSM, WiFi and WMBUS networks. Specifications based on product number (P/N):

BB-LR2B71V0XY-ZZZZ (basic version),
BB-LR2F71VWXY-ZZZZ (full version), where:

- V** stands for expansion PORT1 and can be only:
0 (no expansion port), **1** (ETH), **2** (RS232), **3** (RS485), **4** (RS422), **5** (MBUS),
6 (CNT), **9** (SWITCH – only when full version).
- W** stands for expansion PORT2 and can be only:
0 (no expansion port), **1** (ETH), **2** (RS232), **3** (RS485), **4** (RS422), **5** (MBUS),
6 (CNT), **7** (WIFI), **8** (WMBUS), **9** (SDH).
- X** stands for these options only:
1 – plastic enclosure,
2 – metal enclosure.
- Y** stands for these options only:
0 – no accessories,
1 – set – accessories with EU power supply,
2 – set UK – accessories with UK power supply,
3 – set AU – accessories with Australia power supply,
4 – set US – accessories with US power supply.

-ZZZZ stands either for optional software user modules, or other firmware versions (which may not support all of the hardware specifications mentioned above), or other hardware versions (of antenna connections), or combination of both, or is empty.

Retune bands: 800/900/1800/2100/2600 MHz (cellular networks)
2.4 GHz (WiFi networks)
868 MHz (WMBUS networks)

POS-2019-034_LR-77-v2_PLS_EN

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Directive **2014/53/EU** (Radio Equipment Directive),

Directive **2011/65/EU** (RoHS).

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:

- Telecom:** ETSI EN 301 511 V12.5.1 (2017-03), ETSI EN 303 413 V1.1.1 (2017-06), ETSI EN 301 908-1 V11.1.1 (2016-07), ETSI EN 301 908-2 V11.1.2 (2017-08), ETSI EN 301 908-13 V11.1.2 (2017-07), ETSI EN 300 328 V2.1.1 (2016-11), ETSI EN 300 220-2 V3.1.1 (2017-02)
- EMC:** ETSI EN 301 489-1 V2.1.1 (2016-11), Draft ETSI EN 301 489-1 V2.2.0 (2017-03), Draft ETSI EN 301 489-19 V2.1.0 (2017-03), Draft ETSI EN 301 489-52 V1.1.0 (2016-11), ETSI EN 301 489-17 V3.1.1 (2017-02), ETSI EN 301 489-3 V2.1.1 (2017-03)
- Safety:** EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 + AC:2011 EN 62311:2008

Conformity is declared based on these sources:

Testing protocol	Protocol number	Laboratory
Telecom, EMC, Safety (LTE module)	M17-0171-04-TEC	Gemalto M2M GmbH, Werinherstrasse 81, 81541 München, Germany
Telecom, EMC, Safety (WiFi module)	EU Declaration of Conformity 04-26-17	Sagrad, Inc., 202 West Drive, Melbourne, FL 32904 USA
Telecom, EMC, Safety (WMBUS module)	RC1180-MBUS_Declaration_of_Conformity_20170511	Radiocrafts AS, Oslo, Sandakerveien 64, NO-0484 OSLO, NORWAY
EMC of the device	PO-2017-23	Advantech B+B SmartWorx s.r.o.
Safety of the device	PO-2012-09	Advantech B+B SmartWorx s.r.o.

Signed for and on behalf of
Advantech B+B SmartWorx s.r.o.

Usti nad Orlici

02/21/2019

Pavel Pospíšil, executive director