

Declaration of Compliance

Name and address of the manufacturer:

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

Product Identification:

This Declaration of Compliance applies to the following industrial cellular routers:

- **ICR-2441W**
- **SmartFlex BB-SR31018120**
- **ICR-4272W**
- **ICR-4461W3S**

We, Advantech Czech s.r.o., hereby declare that the routers: **ICR-2441W, SmartFlex BB-SR31018120, ICR-4272W and ICR-4461W3S**, as tested and documented in the climatic/environmental test reports listed below, complies with the relevant environmental requirements specified in the **NEMA TS2** standard.

Scope of Declaration:

This Declaration of Compliance applies only to the environmental and climatic requirements defined in Section 2.2 of the NEMA TS2-2003 standard. The tests performed do not include compliance with electrical, mechanical shock, vibration, or other functional tests unless explicitly stated.

The following tests were conducted to verify environmental robustness:

Test Category	Protocol Number	Laboratory	Test Description
Storage	PO-2025-13 PO-2025-14	TESTION, a.s. Beranových 130, 19900 Praha 9 – Letňany Advantech Czech s.r.o. Sokolská 71, 562 04 Ústí nad Orlicí, Czech Republic	Storage Temperature
Cold & Dry Heat	PO-2025-14	Advantech Czech s.r.o. Sokolská 71, 562 04 Ústí nad Orlicí, Czech Republic	Low/High Temperature Exposure

The routers listed in this document meet the environmental performance limits defined under these specific conditions.

Environmental and Electrical Compliance Testing (Per NEMA TS2 Standards):

The following sections outline specific environmental and electrical tests conducted in accordance with the NEMA TS2 standard to ensure operational reliability and compliance of the router hardware under varying temperature and voltage conditions.

Section	Test Name / Topic
2.1.5.1	AMBIENT TEMPERATURE
2.2.7.3	TEST C — Low-Temperature Low-Voltage Tests
2.2.7.4	TEST D — Low-Temperature High-Voltage Tests *
2.2.7.5	TEST E — High-Temperature High-Voltage Tests *
2.2.7.6	TEST F — High-Temperature Low-Voltage Tests *
2.2.7.7	TEST G — Test Termination
2.2.7.8	TEST H — Appraisal of Equipment Under Test

*** In the case of router variants with PoE PSE, the supply voltage will always be 48 V.**

Signed for and on behalf of
Advantech Czech s.r.o.



Usti nad Orlici

05/23/2025

Pavel Pospíšil, executive director