

EU DECLARATION OF CONFORMITY

According to EN 18031-1:2024

Common security requirements for radio equipment - Part 1: Internet connected radio equipment

MANUFACTURER INFORMATION

Company Name: Advantech Czech s.r.o.
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PRODUCT IDENTIFICATION

Product Type: Industrial Cellular Router Operating System
Product Name: ICR-OS
Version: 6.5.x (where x represents minor firmware version numbers)
Implementation Date: March 3, 2025
Applicable Product Families:

- **ICR Series:** ICR-2000, ICR-2400, ICR-2500, ICR-2600, ICR-2700, ICR-2800, ICR-3200, ICR-4100, ICR-4200, ICR-4400
- **SmartStart Series:** SL300
- **SmartFlex Series:** SR300

DECLARATION

We, **Advantech Czech s.r.o.**, as the manufacturer, hereby declare under our sole responsibility that the above-identified product is in conformity with the following harmonized standard:

EN 18031-1:2024 - Common security requirements for radio equipment - Part 1: Internet connected radio equipment

CONFORMITY ASSESSMENT

This declaration is based on conformity assessment conducted according to EN 18031-1:2024. The product has been evaluated against all applicable requirements and has demonstrated conformity through internal testing and assessment.

This declaration remains valid until superseded by a new declaration or until significant changes are made to the product design, functionality, or applicable standards.

TEST RESULTS SUMMARY

The following security requirements have been assessed with the indicated results:

Access Control Mechanisms (ACM)

| Requirement | Description | Verdict |
|-------------|--|---------|
| ACM-1 | Applicability of access control mechanisms | PASS |
| ACM-2 | Appropriate access control mechanisms | PASS |

Authentication Mechanisms (AUM)

| Requirement | Description | Verdict |
|-------------|--|---------|
| AUM-1 | Applicability of authentication mechanisms | PASS |
| AUM-2 | Appropriate authentication mechanisms | PASS |
| AUM-3 | Authenticator validation | PASS |
| AUM-4 | Changing authenticators | PASS |
| AUM-5 | Password strength | PASS |
| AUM-6 | Brute force protection | PASS |

Software Update Mechanisms (SUM)

| Requirement | Description | Verdict |
|-------------|------------------------------------|---------|
| SUM-1 | Applicability of update mechanisms | PASS |
| SUM-2 | Secure updates | PASS |
| SUM-3 | Automated updates | PASS |

Secure Storage Mechanisms (SSM)

| Requirement | Description | Verdict |
|-------------|--|---------|
| SSM-1 | Applicability of secure storage mechanisms | PASS |
| SSM-2 | Appropriate integrity protection for secure storage mechanisms | PASS |
| SSM-3 | Appropriate confidentiality protection for secure storage mechanisms | PASS |

Secure Communication Mechanisms (SCM)

| Requirement | Description | Verdict |
|-------------|---|---------|
| SCM-1 | Applicability of secure communication mechanisms | PASS |
| SCM-2 | Appropriate integrity and authenticity protection for secure communication mechanisms | PASS |
| SCM-3 | Appropriate confidentiality protection for secure communication mechanisms | PASS |
| SCM-4 | Appropriate replay protection for secure communication mechanisms | PASS |

Resilience mechanism (RLM)

| Requirement | Description | Verdict |
|-------------|--|---------|
| RLM-1 | Applicability and appropriateness of resilience mechanisms | PASS |

Network monitoring mechanism (NMM)

| Requirement | Description | Verdict |
|-------------|--|---------|
| NMM-1 | Applicability and appropriateness of network monitoring mechanisms | PASS |

Traffic control mechanism (TCM)

| Requirement | Description | Verdict |
|-------------|--|---------|
| TCM-1 | Applicability and appropriate traffic control mechanisms | PASS |

Cryptographic Consumer Keys (CCK)

| Requirement | Description | Verdict |
|-------------|--|---------|
| CCK-1 | Appropriate CCKs | PASS |
| CCK-2 | CCK generation mechanisms | PASS |
| CCK-3 | Preventing static default values for preinstalled CCKs | PASS |

General Essential Cybersecurity Requirements (GEC)

| Requirement | Description | Verdict |
|-------------|---|------------------|
| GEC-1 | Up-to-date software and hardware with no publicly known exploitable vulnerabilities | N/A ¹ |
| GEC-2 | Limit exposure of services via related network interfaces | PASS |
| GEC-3 | Configuration of optional services and the related exposed network interfaces | PASS |
| GEC-4 | Documentation of exposed network interfaces and exposed services via network interfaces | PASS |
| GEC-5 | No unnecessary external interfaces | PASS |
| GEC-6 | Input validation | PASS |

Cryptography (CRY)

| Requirement | Description | Verdict |
|-------------|----------------------------|---------|
| CRY-1 | Best practice cryptography | PASS |

CONFORMITY STATEMENT

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

- **Radio Equipment Directive (RED) 2014/53/EU** - Article 3(3)(d)
- **Harmonized Standard EN 18031-1:2024**

SUPPORTING DOCUMENTATION

Technical documentation supporting this declaration is maintained by the manufacturer and is available for review by competent authorities upon request. The documentation includes:

- **Configuration Manuals** (on <https://icr.advantech.com/support/router-models> choose model and go to *Documents to download* section)
- **Security Guidelines** (on <https://icr.advantech.com/download/application-notes#security-guidelines>)
- **Test documentation and test reports** (internal proprietary system)
- **ICR-OS 6.5.x Compliance Assessment Report** (doc. ref. PO-2025-23; internal document)

¹ The product contains a large amount of open-source software. Vulnerabilities of CVSS score 6.5 and higher are fixed or otherwise mitigated to an acceptable residual risk. Vulnerabilities of a lower CVSS score impose a negligible risk and have been accepted.

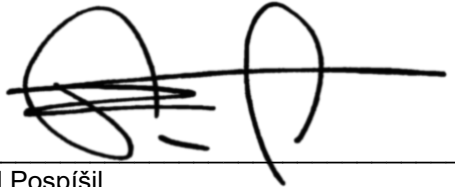
AUTHORIZED REPRESENTATIVE

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

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

Place: Ústí nad Orlicí, Czech Republic

Date: July 28, 2025



Signature: _____

Name: Pavel Pospíšil

Position: Executive Director

