

# SUPPLIER'S DECLARATION OF CONFORMITY

Conforming to EN ISO/IEC 17050-1:2010  
 Herstellererklärung nach EN ISO/IEC 17050-1:2010

|                               |                                                                                                      |
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| <b>Supplier</b><br>Hersteller | <b>Westermo Eltec GmbH</b><br><b>Galileo-Galilei-Str. 11</b><br><b>55129 Mainz</b><br><b>Germany</b> |
| <b>Product</b><br>Produkt     | <b>Ibex-4000 Series</b><br><b>RAILWAY ACCESS POINT WITH WI-FI 6(E) TRIPLE RADIO</b>                  |

This declaration of conformity is issued under the sole responsibility of the manufacturer.  
*Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.*

The object of the declaration described above is in conformity with the following standards and technical rules:  
*Der oben beschriebene Gegenstand der Erklärung erfüllt die nachfolgend genannten einschlägigen Standards und technischen Regeln:*

| <b>EN 50155:2021</b>             |                                                                                                   |                                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Chapter</b><br><i>Kapitel</i> | <b>Requirement</b><br><i>Anforderung</i>                                                          | <b>Reference Standard</b><br><i>Referenznorm</i> | <b>Specification</b><br><i>Spezifikation</i>                                                            |
| Annex C                          | Equipment location                                                                                | -                                                | Location: 1 & 2<br>Pollution degree: PD2<br>Vibration / Shock:<br>Category 1, Class B<br>IP class: IP54 |
| 4.4.1                            | Altitude<br><i>Höhenlage</i>                                                                      | EN 50125-1                                       | Class AX, < 2000 m                                                                                      |
| 4.4.2                            | Operating temperature<br><i>Betriebstemperatur</i>                                                | -                                                | Class OT4 (-40 to +70 °C)                                                                               |
|                                  | Ambient temperature<br><i>Umgebungstemperatur</i>                                                 | EN 50125-1                                       | Class TX                                                                                                |
| 4.4.3                            | Switch-on extended operating temperature<br><i>Erweiterte Betriebstemperatur beim Einschalten</i> | -                                                | Class ST1 (OTx+15 °C)<br>Test cycle B                                                                   |
| 4.4.4                            | Rapid temperature variations<br><i>Schnelle Temperaturänderungen</i>                              | -                                                | Class H1 (no requirements)                                                                              |
| 4.4.5                            | Shock and vibrations<br><i>Schwingungen und Schocken</i>                                          | EN 61373                                         | Category 1, Class B                                                                                     |
| 4.4.6                            | Electromagnetic compatibility<br><i>Elektromagnetische Verträglichkeit</i>                        | EN 50121-3-2                                     | -                                                                                                       |

| <b>EN 50155:2021</b>             |                                                                                                                |                                                  |                                                                      |
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| 4.4.7                            | Relative humidity<br><i>Relative Luftfeuchte</i>                                                               | EN 50125-1                                       | Yearly average $\leq 75\%$ relative humidity                         |
| 5.2.2                            | Supply voltage range<br><i>Bereich der Versorgungsspannung</i>                                                 | -                                                | 24..110 VDC, wide-range power supply                                 |
| 5.2.3                            | Temporary supply voltage variation<br><i>Kurzzeitige Änderung der Versorgungsspannung</i>                      | -                                                | Table 4                                                              |
| 5.2.4                            | Interruptions of voltage supply<br><i>Unterbrechung der Versorgungsspannung</i>                                | -                                                | Class S2                                                             |
| 5.2.5                            | Supply change-over<br><i>Umschalten der Stromversorgung</i>                                                    | -                                                | Class C1                                                             |
| 5.2.7                            | DC ripple factor<br><i>Gleichspannungswelligkeit</i>                                                           | -                                                | 5 % DC ripple factor on its supply voltage                           |
| 5.3.1                            | Supply by a specific source<br><i>Versorgung aus einer besonderen Energiequelle</i>                            | EN 50121-3-2                                     | PoE                                                                  |
| 6.1.1                            | Predicted reliability<br><i>Voraussichtliche Zuverlässigkeit</i>                                               | IEC 62380                                        | MTBF calculation                                                     |
| 6.2                              | Useful life<br><i>Brauchbarkeitsdauer</i>                                                                      | -                                                | L3 (15 years)                                                        |
| 7.2.1                            | Insulation coordination<br><i>Isolationskoordination</i>                                                       | EN 50124-1                                       | Overvoltage category OC2<br>Pollution degree PD2                     |
| 10.2.5                           | Integrated circuit sockets and edge connectors<br><i>Sockel für integrierte Schaltungen und Steckerleisten</i> | -                                                | Class K1 (allowed)                                                   |
| 10.7                             | Protective coatings for printed board assemblies<br><i>Schutzlackierungen für bestückte Leiterplatten</i>      | -                                                | Class PC2                                                            |
| 10.9                             | Mounting<br><i>Einbau</i>                                                                                      | EN 60529                                         | Degree of protection: IP54                                           |
| 11.2                             | Personnel safety<br><i>Sicherheit von Personen</i>                                                             | EN 50153<br>EN 50124-1<br>EN ISO 13732-1         | Electrical shock<br>Insulation coordination<br>Excessive temperature |
| 11.3                             | Functional safety<br><i>Funktionale Sicherheit</i>                                                             | EN 50126                                         | SIL 0 / BI                                                           |
| 11.4                             | Fire behaviour requirements<br><i>Anforderungen an das Brandverhalten</i>                                      | EN 45545-2                                       | HL1-HL3                                                              |

| <b>EBA EMV 06:2019</b>           |                                                     |                                                  |                                              |
|----------------------------------|-----------------------------------------------------|--------------------------------------------------|----------------------------------------------|
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| Annex E                          | Measurement on devices<br><i>Messung an Geräten</i> | EBA EMV<br>06:2019<br>Ausgabe 2.0                | Class S1                                     |

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| <br>Erik Wilhelm<br>R&D Manager<br>Mainz, 04.07.2025 | <br>Dr. Mathias Haase<br>Quality & Product Compliance Manager DACH<br>Mainz, 04.07.2025 |
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