

ECE TYPE-APPROVAL CERTIFICATE**E24**Concerning:²

Approval granted
~~Approval extended~~
~~Approval refused~~
~~Approval withdrawn~~
~~Production definitively discontinued~~

Of a type of ~~vehicle~~/component/~~separate technical unit~~² with regard to Regulation No. 10.Of a type of electrical/electronic sub-assembly² with regard to Regulation No.10.Approval No: **E24*10R06/03*6784*00**

Reason for extension:

-N/A



1. Make (trade name of manufacturer):

2. Type and general commercial description:

TSW030
*Ethernet Switch*3. Means of identification of type, if marked on the ~~vehicle~~/
component/~~separate technical unit~~²:**Type Designation.**

3.1 Location of that marking:

Laser on the top of the casing.

4. Category of vehicle:

N/A

5. Name and address of manufacturer:

TELTONIKA NETWORKS, UAB
K. Baršausko st. 66, LT-51436, Kaunas,
Lithuania6. In the case of components and separate technical units,
location and method of affixing of the approval mark:**Laser on the top of the casing.**

7. Address(es) of assembly plant(s):

TELTONIKA EMS, UAB
Paluokesos st. 11, LT-33133, Molėtai,
Lithuania

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8. Additional information (where applicable): *See appendix below*
9. Technical service responsible for carrying out the tests: *SGS-TÜV Saar GmbH,
Am TÜV 1,
D-66280 Sulzbach*
10. Date of test report: *11.03.2025*
11. Number of test report: *HOM ECN T25/034-00*
12. Remarks (if any): *See Appendix below*
13. Place: *Dublin*
14. Date: *16th May, 2025*
15. Signature: 
16. The index to the information package lodged with the approval authority, which may be obtained on Request, is attached.



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1. Distinguishing number of the country which issued/extended/refused or withdrawn approval.
(see Regulation, provisions on approval).
2. Strike out what does not apply.

Appendix

To type-approval communication concerning the type approval
of an electrical/electronic sub-assembly under Regulation No.10.

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| 1. Additional information | |
| 1.1. Electrical system rated voltage: | <i>DC 12V~24V, negative ground</i> |
| 1.2. This ESA can be used on any vehicle type with the following restrictions: | <i>See manufacturer's specifications.</i> |
| 1.2.1 Installation conditions, if any: | <i>See manufacturer's specifications.</i> |
| 1.3. This ESA can only be used on the following vehicle types: | <i>N/A</i> |
| 1.3.1 Installation conditions, if any: | <i>N/A</i> |
| 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: | <i>Bulk Current Injection Method:</i>
<i>Frequency: (20 – 400 MHz)</i>
<i>Absorber Chamber Test:</i>
<i>Frequency: (400 – 2000 MHz)</i> |
| 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i>SGS-TÜV Saar GmbH.</i> |
| 2. Remarks: | <i>N/A</i> |

Appendix to type-approval communication concerning the type approval of a vehicle under Regulation No.10.

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| 1. Additional information | |
| 2. Electrical system rated voltage: | <i>N/A</i> |
| 3. Type of bodywork: | <i>N/A</i> |
| 4. List of electronic systems installed in the tested vehicle(s) not limited to the items in the information document: | <i>N/A</i> |
| 4.1. Vehicle equipped with 24 GHz short-range radar equipment (yes/no/optional) ² : | <i>N/A</i> |
| 5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i>N/A</i> |
| 6. Remarks: | <i>N/A</i> |