

# NSAI

## ECE TYPE-APPROVAL CERTIFICATE



Communication Concerning:<sup>2</sup> ~~Approval granted~~  
~~Approval extended~~  
~~Approval refused~~  
~~Approval withdrawn~~  
~~Production definitively discontinued~~

Of a type of ~~vehicle~~/component/~~separate technical unit~~<sup>2</sup> with regard to Regulation No. 10.  
Of a type of electrical/electronic sub-assembly<sup>2</sup> with regard to Regulation No.10.

Approval No: E24\*10R06/02\*4965\*00

Reason for extension: -N/A

1. Make (trade name of manufacturer):



2. Type and general commercial description:

**TRB145**  
*LTE Cat 1 RS485 Gateway*

Variant(s):

*N/A*

3. Means of identification of type, if marked on the ~~vehicle~~/  
component/separate technical unit<sup>2</sup>:

***Type Designation***

3.1 Location of that marking:

***On the top of the device***

4. Category of vehicle:

*N/A*

5. Name and address of manufacturer:

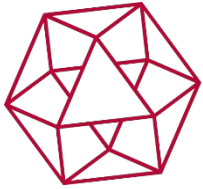
**TELTONIKA NETWORKS, UAB**  
***Baršausko st. 66, LT-51436, Kaunas,***  
***Lithuania***

6. In the case of components and separate technical units,  
location and method of affixing of the approval mark:

***Adhesive label on the top of the product***


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

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



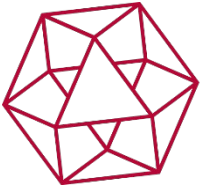
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Approval No: E24\*10R06/02\*4965\*00

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|--|---|
| 8. Additional information (where applicable):                | <i>See appendix below</i>   |
| 9. Technical service responsible for carrying out the tests: | <i>SGS-TÜV Saar GmbH</i>  |
| 10. Date of test report:                                     | <i>11.09.2023</i>   |
| 11. Number of test report:                                   | <i>HOM ECN T23/148-00</i>   |
| 12. Remarks (if any):  | <i>See Appendix below</i>   |
| 13. Place:   | <i>Dublin</i>   |
| 14. Date:  | <i>5<sup>th</sup> October, 2023</i>   |
| 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.



# NSAI

Approval No: E24\*10R06/02\*4965\*00

## Appendix

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

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

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

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