

TRB143 MAC

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A **media access control (MAC)** address is a unique identifier assigned to network interfaces for communications at the data link layer of a network segment. MAC addresses are used as a network address for most IEEE 802 network technologies, including Ethernet and WiFi.

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MAC address structure

A MAC address is comprised of six octets or in other words, six 8 bit long segments. The first three octets make up the **Organisationally Unique Identifier (OUI)**, i.e., it can be used to identify the device's manufacturer. Refer to the figure below for a visual representation:

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Teltonika OUI

Starting with week 9 of 2023, most manufactured Teltonika Networks devices will have a new MAC address ranging from 20:97:27:00:00:00 to 20:97:27:FF:FF:FF.

Note: that certain devices will have a primary MAC address ranging from 00:1E:42:00:00:00 to 00:1E:42:FF:FF:FF.

The following MAC addresses belong to Teltonika:

| Vendor | MAC prefix (OUI) | Possible MAC addresses |
|---------------------------|------------------|---------------------------------|
| TELTONIKA NETWORKS UAB | 20:97:27 | 20:97:27: [00:00:00 - FF:FF:FF] |
| Teltonika | 00:1E:42 | 00:1E:42: [00:00:00 - FF:FF:FF] |

External links

- MAC address vendor search:
<https://regauth.standards.ieee.org/standards-ra-web/pub/view.html#registries>
- Some information was taken and modified from Wikipedia:
https://en.wikipedia.org/wiki/MAC_address