

# TRB246 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:



## 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<br>UAB | 20:97:27         | 20:97:27: <b>[00:00:00 - FF:FF:FF]</b> |
| Teltonika                 | 00:1E:42         | 00:1E:42: <b>[00:00:00 - FF:FF:FF]</b> |

## 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](https://en.wikipedia.org/wiki/MAC_address)