

USB Radio Transceiver



The **USB Radio Transceiver** is a radio **2.4 GHz** communication interface connecting the **PC** to **TMI-Orion** radio or **FullRadio** data loggers.

As small as a USB flash drive, this interface operates with Qlever software for remote and wireless setup and starting of FullRadio loggers as well as real time or after the process data transmission and reading.

TECHNICAL SPECIFICATIONS

Material	Aluminum and plastic
Dimensions	71 mm x 21 mm x 8,3 mm
Power supply	USB self powered
Communication	Bi-directional 2.4 GHz radio
Connectivity	USB
Antenna	Internal

RADIO COMMUNICATION

- 2.4 GHz ISM band (frequency range 2.405 GHz to 2.475 GHz) / Can be used without licence / Universal band for industrial, scientific and medical devices with low radio transmission power / Maximum radiated power +5 dBm (3,2 mW).
- Radio transmission range depends on the environment (Transmission range inside a building and with no obstacle : 10 m.)
- TMI-Orion 2.4 GHz bi-directional radio protocol, based on IEEE 802.15.4 standard / 14 RF channels for the user / Able to manage several pieces of equipment connected in star configuration in the same space
- Directive RED 2014/53/UE

SOFTWARE AND RELATED PRODUCTS

The **USB Radio Transceiver** operates with **TMI-Orion Qlever software and data loggers**.

Qlever software platform: data acquisition, management and visualization of data from TMI-Orion data loggers. Qlever is installed on a PC and operates under Windows® Vista/7/8/10.

Data transmission and visualization are done in real time or at the end of the industrial process.



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