



Main Features

- ♦ TPMS sensor
 - Frequency band: 433MHz
 - Max. tire pressure: 0kpa~1,300kpa
 - Patent for through inflation design
 - IP68 protection
 - Anti-theft design
- ♦ TPMS receiver
 - Frequency band: 433MHz
 - Standard mini-PCIe form factor
 - USB interface
 - Tire data: tire pressure, temperature, and voltage
 - SDK, utility, sample code
 - Up to sensors x 18

Sensor Specifications

TPMS Sensor

- ♦ Frequency band: 433MHz
- ♦ Max. tire pressure and accuracy: 0kpa~1,300kpa ± 7 kpa (0psi~188psi ± 1 psi)
- ♦ Temperature accuracy: $\pm 1^{\circ}\text{C}$
- ♦ Removable battery
- ♦ Wide operating temperature: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- ♦ Patent for through inflation design

Mechanical

- ♦ IP 68 protection
- ♦ Aluminum housing
- ♦ Anti-theft design
- ♦ Dimension (W x H x L) (mm): 26 x 27 x 47, including CAP
- ♦ Weight: 23g ± 0.5 g

Lithium Battery

- ♦ CR1632

Environment

- ♦ Operating temperature: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- ♦ Storage temperatures: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- ♦ Storage temperature: 95% (non-condensing)

Certification

- ♦ CE
- ♦ FCC class B

Receiver Specifications

TPMS Receiver

- ♦ Input connector: mini-PCIe socket or USB 2.0 wafer
- ♦ Form factor: full-size mini-PCIe
- ♦ Dimensions (mm): 51 x 30
- ♦ Operation temperature: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- ♦ Storage temperatures: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- * Note: For the data of tire pressure, temperature and voltage, reading through RF 433MHz antenna

Ordering Information

- ♦ **VTK-TPMS-01 (P/N: 10VK0TPMS00X0)**
VIOB-TPMS-01 kit, w/ sensor x 4, wrench, battery x 4, antenna, TPMS receiver
- ♦ **VTK-TPMS-02 (P/N: 10VK0TPMS01X0)**
VIOB-TPMS-02 kit, w/ sensor x 1, battery x 1