



## 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  $\pm 7$ kpa (0psi~188psi  $\pm 1$ psi)
- ♦ Temperature accuracy:  $\pm 1^{\circ}\text{C}$
- ♦ Removable battery
- ♦ Wide operating temperature:  $-40\sim 85^{\circ}\text{C}$
- ♦ 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  $\pm 0.5$ g

### Lithium Battery

- ♦ CR1632

### Environment

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

### Certification

- ♦ CE
- ♦ FCC class B

## Receiver Specifications

### TPMS Receiver

- ♦ Input connector: mini-PCIe socket or 2.0 USB wafer
- ♦ Form factor: full-size mini-PCIe
- ♦ Dimensions (mm): 51 x 30
- ♦ Operation temperature:  $-40\sim 85^{\circ}\text{C}$
- ♦ Storage temperatures:  $-40\sim 85^{\circ}\text{C}$
- \* 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