



## **SYNO**Tag | **Active**™

### **SMPTK-002 Active Read/Write RFID Tag with LED**

2.4 GHz active RFID tag with LED indicator. Read range of up to 80 meters when used with 2.45 GHz active RFID readers. Suited for any vehicle access control, vehicle toll collection, RFID asset tracking, manufacturing, personnel tracking and building access control applications.

#### Specifications

##### **Electronic**

- Modulation: Uplink/Downlink GFSK
- Communication Rate: Uplink/Downlink 1000kbit/s
- Frequency: 2.4 - 2.4835 GHz
- RF power output: -20dBm ~ -5dBm
- Sensitivity: -90dBm
- Bit Error Rate: 10<sup>-6</sup>
- EMI: 10V/m 0.1~1000 MHz AM electromagnetic wave
- Tag transmits signal to reader every 300ms - 500 ms

##### **Environmental**

- Weight: 45g
- Dimensions: 118mm (L) x 32mm (T) x 12mm (W)
- Temperature: -30 to 70C (Operating) -40 to 80C (Storage)
- Humidity: 100% Non-condensing
- Vibration & Shock: 10~2000 Hz 15g 3 axial
- Anti-electromagnetism: 10V/m 0.1~1000 MHz
- Battery Life: 3.0V lithium cell 6-8 years (10 years optional)
- Free Drop: 1M Concrete floor, twice per side
- Water resistant (not waterproof)
- Affix with screws, glue, adhesive tape



**Product Warranty:** SYNOMETRIX offers a standard 1 year repair or replace warranty from date of shipping on all products found to have a defect that results from manufacturing.

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Visit us at [www.synometrix.com](http://www.synometrix.com) or email us at [info@synometrix.com](mailto:info@synometrix.com)

# **SYNO**Tag™ | **RFID**

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