



SYNOTag | **Active**™

SMPK-102-R/O 2.4 GHz Active RFID Wristband

2.4 GHz active RFID read only bracelet tag with read range of up to 80 meters when used with 2.45 GHz active RFID readers. Suited for RFID people tracking, medical or hospital use, building or zone access control and RFID security 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: 10⁻⁶
- EMI: 10V/m 0.1~1000 MHz AM electromagnetic wave
- Tag transmits signal to reader every 300ms - 500 ms

Environmental

- 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)



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.

SMPW-102 Active RFID Tag

Visit us at www.synometrix.com or email us at info@synometrix.com

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