

SYNOTag | Active™

SMPD-100-R/O or R/W 2.4 GHz CF RFID Reader

2.4 GHz active RFID CF reader with read range of up to 30 meters and write range up to 15 meters for use with 2.45 GHz active RFID tags in vehicle access control, vehicle toll collection, RFID asset tracking, manufacturing, personnel tracking and building access control applications.



Key Features

- Long range up to 30 meters (Attenuation at Factory)
- Global 2.4GHz ISM Band, Anti-collision up to 200 tags
- Supports identification of fast moving objects with speeds of up to 200 KmH
- Ultra low power RF physics layer with embedded protocol
- SDK offers data interface to write own applications, open ports, set baud rate, read tag
- Supports Visual Studio .NET

Specifications

- Modulation: GFSK
- Data Rate: 1000kbit/s
- Frequency: 2.4 - 2.4835 GHz
- Transmission Power: <=0Bm (software adjustable)
- Antenna Polarization: Circular
- Read Range: Within 30 meters
- Write Range: Within 15 meters
- Microwave Communication Error Check: CRC 16
- Bit error ratio/B.E.R: 10-7
- Temperature: -40 to 60C (Operating) -60 to 80C (Storage)
- Weight: 20 g
- Dimension (Full): 93mm x 49mm x 11mm thick
- Humidity: 100% Non-condensing
- EMI: 10V/m 0.1~1000 MHz AM electromagnetic wave
- Shock: 1~2000 Hz 15g 3 axial
- Interface: Standard Compact Flash Interface
- Power Supply: Supplied by PDA DC 3.6V <= 100MA
- Baud Rate: 19200
- Current Consumption: 50mA

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

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