

# 2.4 GHz RFID SMPD-200 RFID Reader/Writer

**SYNO**Tag™  
RFID Systems



**SMPD-200-R/O 2.4 GHz Long Range RFID Reader | Up to 20 Meter Read Range**  
**SMPD-200-R/W 2.4 GHz Long Range RFID Reader | Up to 20 Meter Read Range**

## Key Features

- Long range up to 20 meters (adjustable through attenuation)
- Global 2.4GHz ISM Band, Anti-collision up to 200 tags
- Ultra low power RF physics layer with embedded protocol
- SDK offers data interface to write own applications, open ports, set baud rate, read tag
- Can be connected to COM 1 and read by any program
- Supports Visual Studio .NET
- Dimension: 156 mm x 90 mm x 46mm
- Weight: 1.2 kg

## Specifications

- Modulation: GFSK
- Data Rate: 1000kbit/s
- Frequency: 2.4 - 2.4835 GHz
- RF power output: -40dBm ~ 0Bm
- Sensitivity: -80 dBm ~ -90BM
- Bit Error Rate: 10<sup>-6</sup>
- Protocols:
  - Super RFID Protocol 3.1
  - HDLC
  - Frequency Hopping Protocol
  - Echo Commands ▸ W/R Commands
  - Extended Commands
- Temperature: -30 to 70C (Operating) -40 to 80C (Storage)
- Humidity: 100% Non-condensing
- EMI: 10V/m 0.1~1000 MHz AM electromagnetic wave
- Shock: 1~2000 Hz 15g 3 axial
- Interface: RF - Connector or internal antenna | Digital - RS232/RS485/Weigand
- Power Supply: 6~24V DC Current Consumption: 50mA

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