

SCANMAX

SM-RF850

UHF RFID READER



About SCANMAX SM-RF850 Integrated Reader

SCANMAX SM-RF850 is a compact and fully integrated RAIN RFID (UHF) reader that delivers excellent performance at an incredible value. The reader has a sleek design and is easy to install. The SM-RF850 is based on Linux for ease of programming and communication. With multiple connectivity options it is ideally suited for vehicle, personnel and asset tracking applications



Features

- Low profile -7dBi integrated antenna reader
- Circular Polarization
- Second RF port for additional antenna
- TCP/IP and RS-232 Communication
- Onboard GPIO or Wiegand Output
- API: JAVA, .NET, C++
- Protection Level: IP65

Product Specifications

Physical Parameters

Dimensions	291 x 291 x 86 mm (11.4 x 11.4 x 3.4 in)
Weight	2 kg (4.4Lbs)
Case Material	Aluminum Alloy/ASA

Environmental

Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity Range	5% to 95%, non-condensing
IP Rating	IP65

Power Source

Adapter (not included)	AC input 100V-240V 1.5A, 50 - 60Hz; DC output 24V ± 5%/2.5A
Power Consumption	Approx. 12W
Power over Ethernet	IEEE 802.3at

Communication/Network

Communication Interface	RS-232,
10/100 Ethernet Network Protocol	TCP/IP, DHCP

UHF RFID

Supported Protocols	EPC global UHF Class 1Gen2, ISO/IEC18000-63
Frequency	840 to 960 Mhz (Support Global Frequency)

Performance Parameter

GPIO	2 inputs, optically isolated 3 relay control outputs or 2 Wiegand outputs with 26/34/66 type
Operating Mode	Single/Dense Reader mode
RF Output Power configurable	-9 to -30 dBm, software configurable

Antenna

Non-condensing Gain	-7 dBi integrated antenna
Polarization	Circular
Antenna Ports	1x RP -TNC (Male)

