SCANMAX

SM-RF807

RAIN RFID READER

About SM-RF807 Fixed Reader

Scanmax's SM-RF807 RAIN RFID (UHF) fixed reader is a high performance, wide band device supporting the ISO 18000-63 and ISO 18000-61 specifications (EPCglobal Class 1 Gen 2 protocol). The Dual CPU design, coupled with a Linux operating system, handles the most complex business requirement of our customers. Great reading performance, rugged design, and optional power over Ethernet combine to make this a solid solution.

Scanmax - the global RFID technology provider — is a leading developer and manufacturer of high quality, intelligent RAIN RFID (UHF) and NFC (HF) inlays, tags and connectivity solutions utilized in the Internet of Things (loT). With a focus on RFID innovation, Scanmax has created a leading product line in library,industrial, laundry, pharmaceutical, health care, (public) transportation and many other industries

Employing over 600 people globally, Scanmax is one of the largest publicly leader of RFID oriented companies in the world.

Features

- Four RP-TNC RF Antenna Po⌈ts
- Excellent multi-tag reading performance
- TCP/IP and RS-232 Communication
- GPIO Capability
- API: Java, .NET, C++
- PoE: IEEE 802.3at
- IP 54 Protection

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Product Specification

Physical Parameters

Dimensions	360 mm x 220 mm x 39 mm
	(14.17 in x 8.66 in x 1.54 in)
Weight	4 kg (5.5 lb)
Case Material	Aluminum Alloy
Antenna Interface	4 TNC External Antenna Interface

Working Environment

Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +75°C
Working Humidity	5%~95% RH ,No condensation

Power Source

Adapter (not included)	AC Input 100-240V, 50-60Hz; DC
	Output 24 +/-5%/2.5A
DC Power Supply	24V-30V (24V/2.5A recommended)
POE supply(Option)	Support IEEE802.3AF & IEEE802.3AT protocol
Power Consumption	5W to 24W

Frequency Supported

SSRRC China	840-845Mhz,920-925Mhz
FCC North America	902-928Mhz
ETSI Europe	865-868Mhz

Communication Interface & Network Protocol

Interface	RS232,10/100M Ethernet
GPIO Interface	4 channels of opto-isolated input (5V, <20MA)
	4-way relay control output (30V, <1000MA)
Network Protocol	TCP/IP,DHCP,SSH,FTP,TELNET,UDP

Performance Parameter

Standard	EPC global C1 Gen 2
	ISO 18000-6C
Reading distance	0m-30m(Related to Configuration)
Label echo rate	40kbps~400kbps(Setting by software)
RF Output Power	11dBm~33dBm,Stepping 1db (Setting by Demo software)
Single Label Identify	>500times/second
Multi Label Identify	100%(400 pcs label)
Working Mode	Single/Intensive
Support 6C label	EPC area :496 bits

Parts Purchasing Code

POE Function	2010000327
50 Ohm Load	TNC model :1001300004
RF cable	TNC model-N-6M:2200800009

Product Certification

China Wireless Approved	CMIIT ID 2012DP2304
FCC Certificate	FCC ID:TQ4XC-RF807
CE Certificate	CE ID:ES120229146E