

Product Overview

RFUF-001

The RFUF-001 is a high performance industrial RFID reader built with warehousing, portals, inventory management, and industrial machines in mind. The RFUF-001 comes complete with multiple forms of industrial communication, including 4 USB ports, Bluetooth 4.2, TCP/IP, Ethernet and WiFi.

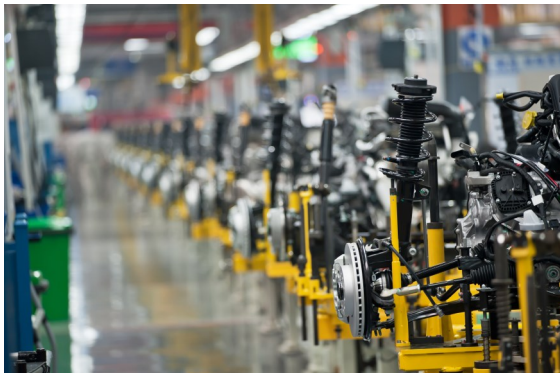
These advanced communication options allow the RFUF-001 to communicate effectively to your network no matter where its installed, making the RFUF-001 perfect for doorways, gates, corridors, loading bays, stations or even inside your machine.

Features

- Embedded Computer
- Memory Storage
- Built-in OS
- 4 USB Ports and HDMI Output
- Wifi
- Bluetooth
- Programmable GPIO
- DC Output for External Devices



Applications



The RFUF-001 is perfectly suited for OEM applications and specifically designed for embedded RFID requirements in:

- Loading Bays
- Inventory Tracking
- Gates
- Badge readers
- Warehouses
- Tool tracking

Technical Specifications

OPERATING

TRANSMITTER FREQUENCY	860Mhz-960Mhz (ETSI/FCC)
UHF COMPATABILITY	ISO 18000-6C, EPC Class1 Gen2
OUTPUT POWER	Max 1W (30dBm) (Configurable)
ANTENNA	4 Ports (RP-TNC-Female)

ELECTRICAL

POWER INPUT	12V or 24V / Output 12V or 24V
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GENERAL

CPU	1.4Ghz Quad-Core ARM Cortex-A53 64 Bit
RAM	1GB LPDDR2 SDRAM
STORAGE	16GB/32GB (Optional)
WiFi	Dual-band 802.11ac wireless LAN (2.4Ghz/5Ghz)
BLUETOOTH	4.2
ETHERNET	Gigabit Ethernet over USB2.0 (max 300Mbps)
DISPLAY	HDMI
USB	4 Port, USB2.0
GPIO	12V / 24V: 4 Input / 4 Output
OS	Linux
SOFTWARE DEVELOPMENT	JAVA/C/Python

MECHANICAL

DIMENSIONS	230mm (L) x 160mm (W) x 28mm (H)
WEIGHT	1.8Kg

ENVIRONMENTAL

TEMPERATURE	Operation: -20°C - 55°C (-4 - 131°F) Storage: -20°C - 85°C (-4 - 185°F)
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MECHANICAL DRAWINGS

