

CF-RU5312

UHF Long-Range Integrated Reader

UHF LONG-RANGE INTEGRATED READER

High-performance integrated reader for RFID applications



PRODUCT OVERVIEW

CF-RU5312 is a high-performance UHF integrated reader designed for long-range tag identification. It combines a 12 dBi circular antenna with flexible communication interfaces, configurable RF power, multiple operating modes, data caching and relay support.

KEY FEATURES

- Automatic COM-port / network scanning
- Firmware upgrade support
- ExportConfig / ImportConfig
- Multi-language software
- Global frequency support
- Password mode and tag-specific reading
- Relay and data cache
- Customizable communication protocols
- RSSI support

CORE SPECIFICATIONS

FREQUENCY	865-868 MHz (EU) / 902-928 MHz (US)
PROTOCOL	ISO18000-6C (EPC GEN2)
ANTENNA	12 dBi circular antenna
RF POWER	26 dBm, adjustable
READ DISTANCE	12-15 m, depending on tag
INTERFACE	RS232 / USB / WG26 / Relay / TCP/IP / PoE / Wi-Fi (optional)
Model CF-RU5312 Reader size 445 x 445 x 80 mm Weight 2.8 kg	

TECHNICAL SPECIFICATIONS

CF-RU5312

SPECIFICATION	DETAIL
Model number	CF-RU5312: RS232 / USB / WG26 / Relay / 9V power CF-RU5312T: RS232 / USB / WG26 / Relay / TCP-IP / PoE CF-RU5312TW: RS343 / USB / WG26 / Relay / TCP-IP / PoE / Wi-Fi
Frequency	865-868 MHz (EU standard); 902-928 MHz (US standard)
Protocol	ISO18000-6C (EPC GEN2)
Built-in antenna	12 dBi circular antenna
Work mode	Active / Trigger / Answer / Password mode (optional)
RF power	26 dBm (adjustable)
Read distance	12-15 m (depends on tag)
Interface	RS232 / USB / WG26 / Relay / TCP/IP / PoE / Wi-Fi (optional)
Power supply	9-36 V
Operating temperature	-10 to +55 C
Storage temperature	-20 to +75 C
Reader size	445 x 445 x 80 mm
Reader weight	2.8 kg
Packing size	600 x 490 x 115 mm
Package weight	4.7 kg

PACKAGE & INCLUDED ACCESSORIES

Supplied components

Detailed image

01 Spare parts: 1pc reader, 1pc power adapter, 1pc plug, 1pc install



Included: 1 x Reader | 1 x Power Adapter | 1 x Installation Bracket | 1 x Plug

READER DIMENSIONS

Front view, rear view and installation size

02 Reader dimension:



Front side



Back side

445mm



DIMENSIONS

445 mm x 445 mm x 80 mm

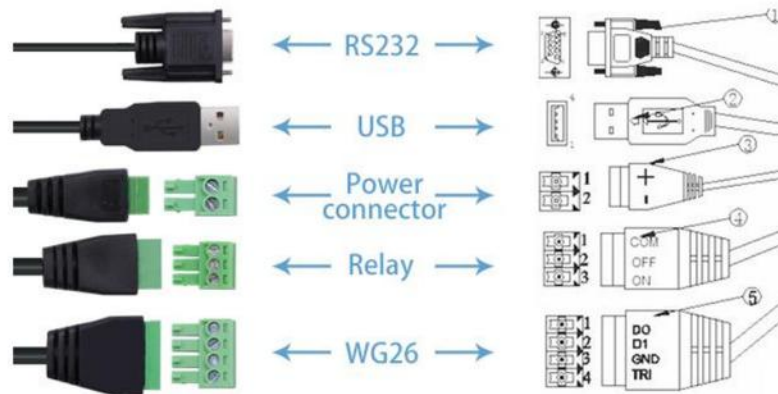
Front and rear cable interfaces are shown in the supplied drawing.

INTERFACES & CHAFON SOFTWARE

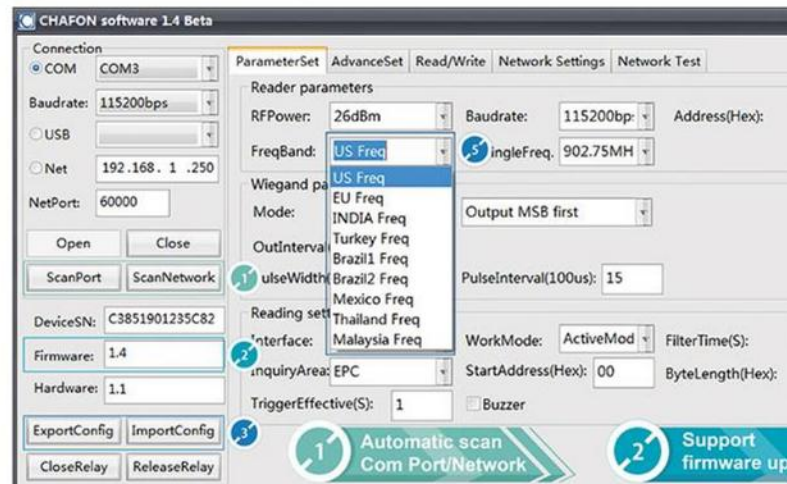
Connectivity and configuration tools

03 Interface:

- Standard interface have RS232/USB/WG26/RELAY/TCP/IP/POE/V



04 CHAFON software system:

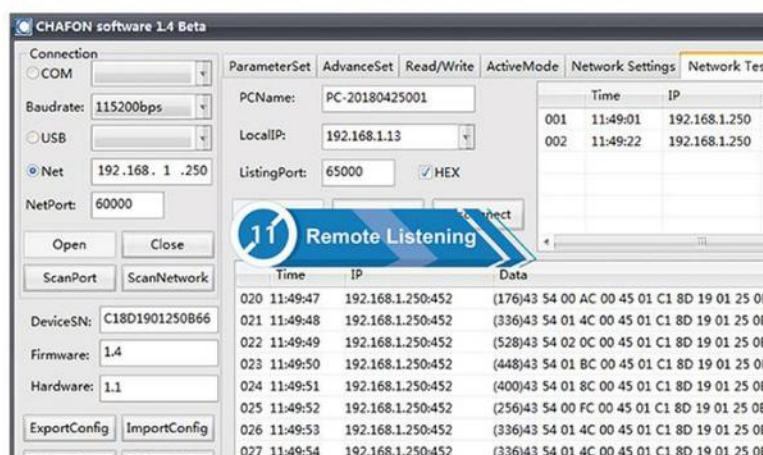
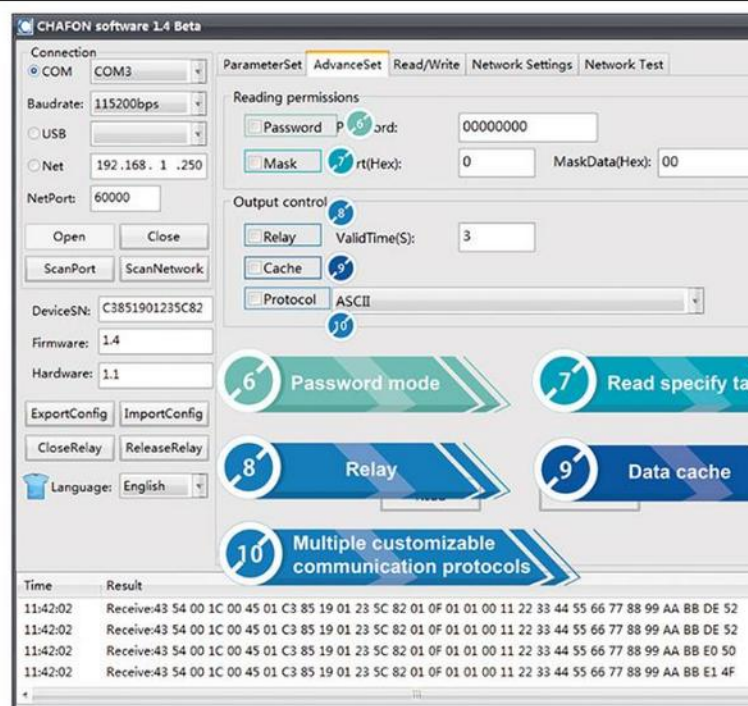


INTERFACE OPTIONS

- RS232
- USB
- Power connector
- Relay
- WG26
- TCP/IP, PoE and Wi-Fi variants (model dependent)

CONFIGURATION & ADVANCED FEATURES

Software configuration examples



SOFTWARE FUNCTIONS SHOWN

- Password mode
- Read specify tag
- Relay control
- Data cache
- Multiple customizable communication protocols
- Remote listening

PACKAGING & PRODUCT SUMMARY

CF-RU5312

04

Package:

- Package size: 600*490*115mm
Package weight: 4.7kg



PRODUCT SUMMARY

CF-RU5312 is a 12 dBi UHF integrated reader supporting long-range identification, multiple interfaces and flexible configuration. The reader supports EU and US frequency bands, ISO18000-6C / EPC Gen2 protocol, adjustable RF power and a typical read distance of 12-15 m depending on the tag.

Package size: 600 x 490 x 115 mm | Package weight: 4.7 kg

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