

RU224

Next-Gen UHF RFID Reader

The RU224 Next-Gen UHF RFID Reader was developed using the best high performance hardware technology in order for users to quickly adapt with the fast-evolving technological advances in the age of IOT.

UHF RFID has never been this easy with its integrated Linux-based micro-computer and high performance R2000 Chip. The RU224 is not your ordinary UHF RFID Reader. Built with multiple connectivity (TCP/IP, Wifi, BLE) and self-powered GPIO simplifies installation and deployment.



Simplified Full-featured
Next-Gen RFID.

RU224 vs Traditional UHF Reader Comparison

	Traditional UHF Reader	RU224
Embedded Computer	X	✓
Memory Storage	X	✓
Built-in OS	X	✓
Display Output	X	✓
Wifi	X	✓
Bluetooth	X	✓
Programmable GPIO	X	✓
DC Output for External Devices	X	✓

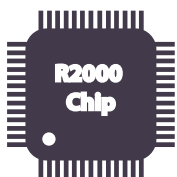


Linux

64 BIT

On-board Computer

With a built-in Linux OS, there is no need to add a separate computer to run the software.



R2000 Chip

UHF RFID

Using the powerful R2000 Chip, scan multiple RFID tag data faster and with great accuracy.



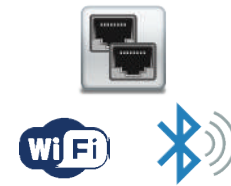
Software

Create your own custom software using C, Java or Python to suit your needs.



GPIO Control

Easily connect & manage external devices such as LED lights, Sensors, Buttons, etc. with 12Volt power supply.

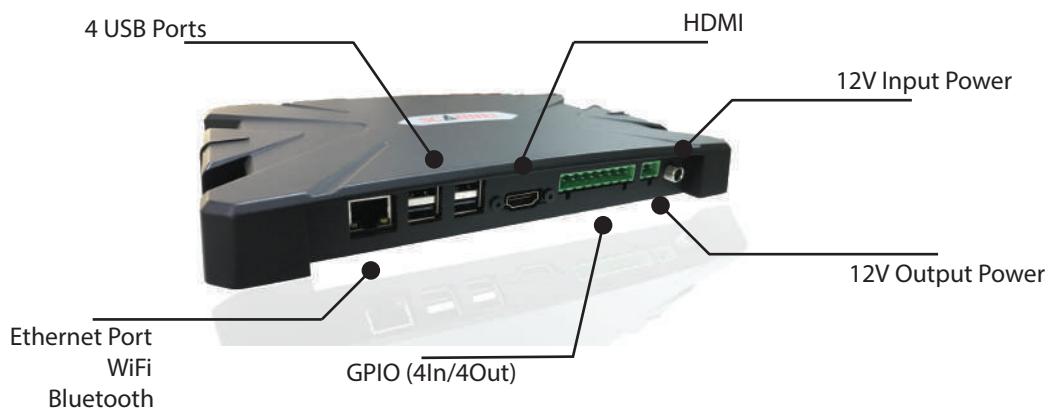


Connectivity

Multiple options to connect to your network with built-in Ethernet, WiFi, & Bluetooth capabilities.

* All specifications are subject to change without prior notice.

RU224 NEXT-GEN UHF RFID Reader



RF Specs:

- UHF Frequency: 860Mhz - 960Mhz (ETSI/FCC)
- UHF Compatibility: ISO 18000-6C, EPC Class1 Gen2
- Output Power: Max 1W (30dBm) (Configurable)
- Antenna: 4 Ports (RP-TNC-Female)
- R2000 Chip

System Specs:

- 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: Bluetooth 4.2
- Ethernet: Gigabit Ethernet over USB2.0 (max 300Mbps)
- Display: HDMI
- USB: 4 Ports (USB2.0)
- GPIO (12V / 24V): 4 Input / 4 Output
- Operating System: Linux
- Software Development: JAVA/C/Python

General Specs:

- Power: Input -12V or 24V / Output - 12V or 24V
- Dimension: 230mm (L) x 160mm (W) x 28mm (H)
- Weight: 1.8Kg
- Operating Temperature: -20°C ~ +55°C
- Storage Temperature: -20°C ~ +85°C

RU Series UHF RFID Readers provides a fast and easy UHF RFID Solution for all types of users. It is a flexible device with complete functionality in order to lessen your overall implementation costs.

Features:

- Built-in Micro-Computer for Stand-alone RFID Reader Applications.
- R2000 Chip for High Performance UHF Scanning
- GPIO with Independent Control Capabilities allows users to control devices without using the RF Chip.
- Multiple Programming Language Support
- Multiple Communication Protocol
- 12V / 24V Power Output for GPIO Devices (e.g. Sensors, LED Lights, Etc.)

Applications:

- Production Management (Manufacturing)
- Inventory Management (Warehouse)
- Logistics
- Asset Management (Office)
- Access Control (Car Parking)
- Process Automation

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