

ST-U220
EASY TO INSTALL, SAFE TO USE
AND SIMPLE TO MANAGE



INTRODACTION

ST-U220 is a High-Performance UHF integrated for long range operation. Compact ST-U220 with integrated 12dBi linear polarized UHF Far Field antenna, based on proprietary efficient digital signal processing algorithm, the ST-U220 is capable of up to 12m Range.

Applications

- **Industrial Automation:** Streamlining manufacturing processes with real-time tracking.
- **Warehouse Management:** Efficient inventory control and asset tracking.
- **Access Control:** Secure entry systems for facilities.
- **Parking Management:** Automated vehicle identification and access.

Features

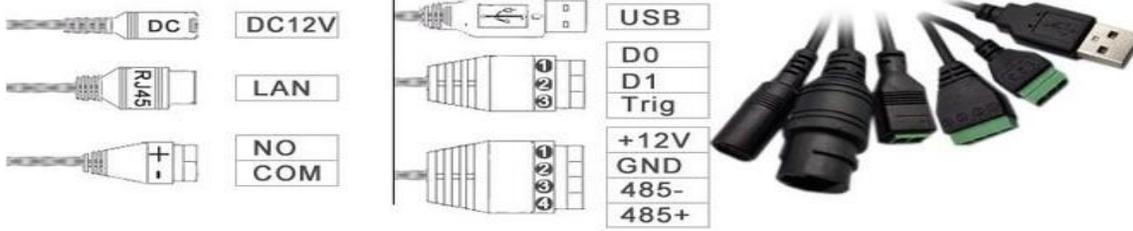
- **Uti-Tag Reading:** Capable of reading multiple tags simultaneously, enhancing efficiency in inventory and tracking applications.
- **Fast Read Rate:** Ensures quick data acquisition, suitable for high-throughput environments.
- **Waterproof Design:** Built to withstand harsh industrial conditions.
- **Easy Integration:** Supports various communication interfaces for seamless integration into existing systems.

Specifications:

Category	Details
Model	ST-U220
Processor	ARM7 + UHF module
Card Capacity	5000 cards
Operating Frequency	- International: 920–925 MHz - USA: 902–928 MHz
Reading Distance	> 12 meters
Multi-Tag Reading	> 20 tags simultaneously
Access Control Interface	3rd Party Electric Lock, Door Sensor, Exit Button, Alarm, Wiegand In/Out
Supported Protocols	ISO18000-6B, ISO18000-6C (EPC GEN2)
Frequency Mode	Fixed Frequency Band & FHSS (Software Programmable)
Operating Modes	- Master-Slave (Online Mode)
Output Power	0–30 dBm (Adjustable)
Antenna	Integrated 12 dBi linear polarized antenna
Communication Ports	RS232, RS485, Wiegand 26, Wiegand 34, RJ45 (Ethernet), Wi-Fi, GPRS
Power Supply	+12V DC
Prompt Notifications	Beep sound or LED light flash
Power Consumption	< 3W
Dimensions (LXWXH)	545 × 545 × 55 mm
Net Weight	2.5 kg
Shipping Weight	5.0 kg
Operating Temperature	–20°C to +65°C (customizable)
Operating Humidity	20% to 95% (non-condensing)
Storage Temperature	–25°C to +75°C

wiring diagram

Standard configuration interfaces include **USB/RS485/WG26/TCP/IP/RELAY**



Area of Application



Parking lot Management



Automotive and Transportation



Personnel management



Logistic Management



Product Line Management



Library Book Management

