

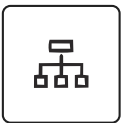
UHF RFID Integrated Reader

TW-UR6000/6000T



TW-UR6000/6000T is an all in one UHF RFID reader with a built in circular polarized antenna. It reads tags from up to 5 metres away and captures more than 400 tags per second. It connects over RS-232 & Wiegand (TCP/IP Optional), so it fits vehicle access, parking, asset tracking and gate automation. The housing is waterproof ABS and aluminium alloy, so the reader works reliably outdoors in all weather.

Features



TCP/IP
Connectivity
(Optional)



5mtr. Reading
Sensitivity



Vehicle Access
Integration



0~30dBm
Output Power

Key features

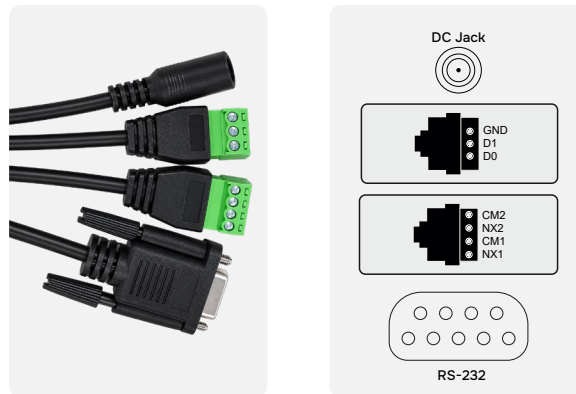
- Short range: Reads tags from 0 to 5 m, depending on the tag and environment
- High speed: Captures more than 400 tags per second, which suits busy lanes and bulk inventory
- Communication Interfaces: RS-232 and Wiegand (TCP/IP Optional) for direct integration with controllers and software
- Two working modes: Active (default), Answer (command)
- Global standard: EPC global UHF Class 1 Gen 2 (18000-6C) protocol support
- Rugged build: Waterproof ABS and aluminium alloy housing, rated for -20 °C to +65 °C
- Always on: A hardware watchdog monitors the CPU for stable operation around the clock
- Smart feedback: Blue status LED and a buzzer that can be muted in software
- Easy integration: 2 GPIO output and a full SDK with demo source code, and protocol documentation

Technical Specification

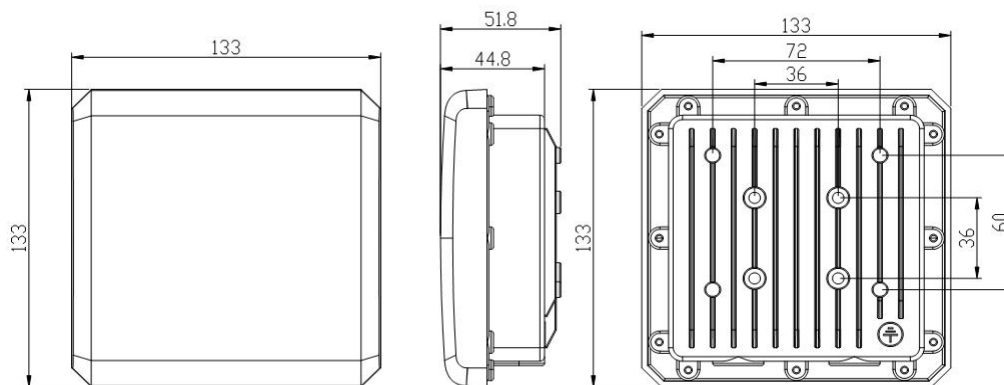
Frequency	865 to 868 MHz (other bands through software)
Protocol	EPC global UHF Class 1 Gen 2 (18000-6C)
Antenna	Circular polarization
Output power	0 to 30 dBm, adjustable in 1 dBm steps (±1 dB accuracy)
Receive sensitivity	< -75 dBm
Read / write distance	0 to 5 m / 0 to 1 m (depending on label on environment)
Inventory speed	> 400 tags/second
Interfaces	RS-232 & Wiegand (TCP/IP Optional)
Baud rate	115200 bps (default)
GPIO	2 output
Power supply	DC 12 to 24V
Current	Standby ≤ 100 mA, Operating ≤ 800 mA @ 12V
Operating temperature	-20°C to +65°C
Storage temperature	-40 °C to +85 °C

Operating Humidity	5% to 95% RH, non condensing
Dimensions	133 × 133 × 52 mm
Housing	ABS + aluminium alloy, waterproof

Wiring Instructions



Dimension Drawing



Application



Parking



Logistics



Warehousing



Retail



Transportation

Disclaimer : All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.