This 2.45GHz active USB RFID reader reads tags at a high speed of 100tags/second with high reliability and allows a long read-range of 15 to 20 meters for identification and tracking.

This active portable USB RFID reader is intelligently designed to operate in the unlicensed 2.45GHz frequency which allows it to be deployed in any environment. It is widely used in Individual locating, logistics, and warehouse management, and is also suitable for closed loop asset tracking, high value asset tracking. The RFID USB reader implements the advanced 0.18um CMOS IC technology allows it ultra-low power consumption. It reads tags at a high speed of 100tags/second with high reliability and allows a long read-range of 10 to 20 meters for identification and tracking.

Applications

- ✓ Individual Locating
- ✓ Logistics
- ✓ Warehouse Management
- ✓ Closed loop asset tracking
- ✓ High value asset tracking

Technical Specifications

Direction	Omni-directional, standard whip antenna
Range	15m to 20m
Frequency	2.4GHz to 2.5GHz ISM
RF Output Power	0dBm
Sensitivity	-85dBm
Power	12.3mA, 4V to 5.25V
Modulation	GFSK
Mode	Direct mode and buffering mode. In direct mode, readers upload messages to the host system in real time. In buffering mode, readers receive and save messages, which upload only when requested by the host system.
Buff Capacity	100 latest messages
Data Rate	2Mbps
Interface	USB 2.0
Dimension	59mm × 18mm × 9mm
Material	ABS
Operating Temperature	0°C to 50°C
Operating Humidity	95% Non-condensing
Multi-Detection	Yes
Read Quantity	100 tags/sec

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