

XR-806 Weigand UHF Long Range Reader



Advanced Long-Range RFID Solution for Vehicle and Access Control

The XR-806 is a high-performance UHF long-range RFID reader designed for both indoor and outdoor use. With its IP66-rated beige housing, the XR-806 is built to withstand harsh environmental conditions, making it ideal for applications such as parking management, gated communities, and commercial access control. The reader supports passive UHF tags, offering long-range identification up to 10 meters without the need for battery-powered tags.

Key Feature

Standalone Operation:	Functions independently for seamless integration into existing systems.
Long-Range Identification:	IReads passive UHF tags up to 10 meters, ideal for vehicle access control.
Weatherproof Design:	IP66-rated housing ensures durability in outdoor environments.
Plug & Play Operation:	Easy to install and upgrade existing systems without additional wiring.
Tamper Detection:	Built-in tamper switch provides immediate tamper-evident indication.
Multi-Tag Reading:	Supports anti-collision technology for reading multiple tags simultaneously.
Versatile Integration:	Compatible with Wiegand, RS232, and RS485 protocols for seamless integration.

Long-Range Identification

Ideal for vehicle access control with a read range of up to 10 meters

Weatherproof and Durable

IP66-rated housing ensures reliable performance in harsh outdoor conditions.

Easy Integration

Supports industry-standard protocols like Wiegand, RS232, and RS485 for seamless integration into existing systems.

Tamper Detection

Built-in tamper switch enhances security by providing immediate tamper alerts.

Multi-Tag Reading

Anti-collision technology allows for reading multiple tags simultaneously, improving efficiency.

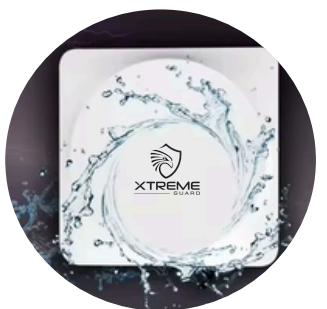


Long Range Integrated UHF Reader

Tag Reading distance reaches 6m

An Integrated UHF Reader

With multi-protocol compatibility, fast read rate, multi-tag reading, and waterproof design, it can be used in various RFID systems.

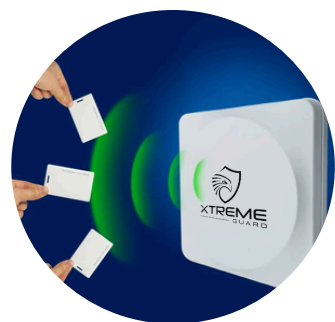
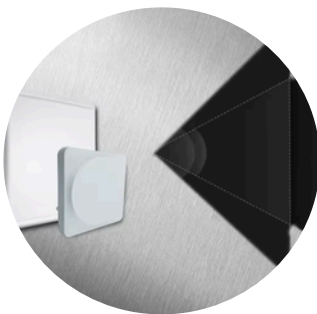


Waterproof, Dust Proof, Strong and Durable material

No fear of rainwater and high sunlight, normal work in harsh or low-temperature environments

Multiple Protocol Compatibility and various communication interfaces

Support ISO-18000-6C (EPG G2) Electronic tag RS485/RS232, Wiegand 26/34 (optional TCP/IP, WIFI, GPRS)



Tag Reading Distance reaches 6m

Long Distance Automatic tag reading without car stopping quick and convenient experience

Dimension



Application

- Versatile Applications: Suitable for a wide range of applications, including parking management, gated communities, and commercial access control.
- Reliable Performance: Designed for long-range, high-speed identification with minimal maintenance
- Easy Installation: Plug-and-play operation simplifies installation and upgrades.

Specification

Model Number:	XR-806
Type:	Passive UHF RFID Reader
Protocol:	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency:	Worldwide 840-960MHz, US 902-928MHz, EU 865-868MHz
Antenna:	Built-in 9 dBi linearized polarization RFID antenna
Transmit Power:	0 - 20dBm adjustable
Read Range:	4-6 meters (adjustable, tag and environment dependent)
Read Speed:	Up to 100 tags per second
Data Interface:	RS232/UART, Wiegand 26/34, RS485
Power Supply:	+9V-12V DC
Operating Temperature:	-10°C to +60°C
Operating Humidity:	20% - 90% RH
Dimensions:	245 x 245 x 55 mm