



# Long Range Active RFID Reader XT-200 433.92Mhz Datasheet

*Applications:* Hands Free Access Control, Vehicular Gates & Barriers, Disabled Access

## Description

The Xtag Long Range Reader and associated active card technology allows system builders to easily integrate long-range access control front end into existing access control solutions.

No modifications are required as a result of the industry standard interfaces on board the reader. The reader is small & discreet and is totally range adjustable for many differing applications. Ranges of up to 25 metres can be easily achieved. XTAG readers and cards carry all the necessary type certification.



Surface Mount Reader

## Reader Specification

### Electrical Specifications

Supply Voltage	5-15VDC
Current Consumption	<100 mAmps
LED's	1 (tricolour)
Local Changeover relay (X2)	2A 28Vdc non inductive Form C

### RF Specifications

Range (Internal Whip Antenna)	Up to 25 Metres
Operating Frequency	433.92 Mhz
Modulation	FM (FSK)
External Antenna Impedance	50 Ohm
Sensitivity	105dBm
Max RF Input	20dBm
IF Bandwidth	230KHZ

### Environmental

Operational Temperature	-10° C to +60°C
Storage Temperature	-10° C to +70°C
Humidity	5% to 80% (non condensing)

External locations will require a sealed IP66 electrical enclosure (non-metallic) for the reader.

### Physical Specifications

IP Rating	IP54
Enclosure	ABS Composite
Enclosure dimensions	54 X 104 x 30

### Data Interfaces

RS485 (maximum 32 per network)	Full Duplex 4-wire 1200m
IP	Requires additional interface
RS232	
Weigand	

## Features

- ♦ Reading range adjustable 3 – 25 metres
- ♦ Compatible with stand-alone and networked access control systems.
- ♦ Simple set-up and operation
- ♦ Diagnostic LED's
- ♦ Multiple tag in field reading capability
- ♦ Secure tag to reader protocol
- ♦ Clock & Data, Wiegand selectable output
- ♦ OEM output formats available
- ♦ Fits directly into standard access control ports
- ♦ 5 – 15 Volt DC operation, low current design
- ♦ Wireless exempt 868.95Mhz technology

Compliant with the EMC and R&TTE directives governed by the UK Radio Interface Requirement.



EN 301489 P1  
Emissions &  
Immunity.  
R&TTE 203

Classified as a Class 2 Security Product



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