XT-5 UHF Reader

Automatic Vehicle Identification

A world leading reader

The XT-5 is our most advanced integrated reader to this date. It has an advanced radio design with high output power, self-jammer cancellation (SJC) and control of antenna polarization (which can be set to vertical, horizontal or circular). It supports both PoE+ (Power over Ethernet) and conventional power supply. It has a high performance processor running Linux. The bright LEDs for visual indication are implemented as RGB (Red/Green/Blue).

An external antenna can be connected, and also this external antenna supports polarization control and RGB LEDs, all using a single RF cable connected to the reader.

Unmatched flexibility

The XT-5 is easy to install, configure and use. The reader is intended for outdoor usage and is well suited for the toughest environments. XT-5 has a wide number of built-in interfaces including Ethernet (2 separate ports), RS232, RS485 and Wiegand/Magstripe as well as the option to add an additional external antenna.

Using a unique firmware implementation, the TagMaster readers in a single installation communicates real-time information (per separate antenna) to accurately distinguish and discriminate tags from adjacent lanes using the Distributed Cross Read Elimination (DCRE) feature. The readers also have Distributed Duty Cycling (DDC) ensuring that adjacent readers/antennas do not read simultaneously and thereby achieving absolutely optimal reading conditions.

RAIN compliant

The TagMaster XT-5 is fully compliant with RAIN. The XT-5 includes TagMaster's SecureMarkID® tag format, which is developed to ensure that each UHF tag has a unique identity which is difficult to duplicate. The XT-5 combined with our SecureMarkID® tags provides a higher level of security.

PART NO. INFORMATION	DESCRIPTION
152800	XT-5 eu Reader
152900	XT-5 us Reader
163810	External XT-5 eu antenna
163820	External XT-5 us antenna
193600	Universal Mounting Kit (optional)
196000	Antenna Cable 10m

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Operating frequencies	:	**XT-5 eu:**
	:	865.6-867.6 MHz, Europe
	:	865.0-867.0 MHz, India
	:	866.0-867.6 MHz, Russian Federation
	:	**XT-5 us:**
	:	902.0-928.0 MHz, Unites States, Americas
	:	920.0-926.0 MHz , Australia
	:	920.5-924.5 MHz, China
	:	919.0-923.0 MHz, Malaysia
	:	921.5-928.0 MHz, New Zealand
	:	920.0-925.0 MHz, Singapore
Read range	:	10 meters (33 ft.) with TagMaster Windshield tag depending on vehicle type and installation conditions
Protection	:	IP66
Housing	:	Aluminum housing UL94 certified plastic XENOY™ cover
Operating temperature	:	-40°C (-40°F) to +60°C (+140°F)
Output power	:	EU: 2 W (e.r.p). US: 4 W (e.i.r.p)
Power supply	:	12-24 VDC or PoE+
Power consumption	:	8 W (max 15 W)
Input	:	4 isolated inputs
Output	:	4 isolated outputs
Relay	:	1 relay output, 60 VDC, 2 A
Interfaces	:	RS232, RS485, Wiegand/Magstripe, 2 x Ethernet
CPU	:	ARM Cortex™-A5 running at 536 MHz
Memory	:	4GB Flash, 512 MB DRAM
Weight	:	2.3 kg (5.1 lbs)
Dimensions	:	300 x 300 x 60 mm (11.8 x 11.8 x 2.4 inch)
LED indicator	:	RGB
Communication protocols	:	TAGP, OSDP, REST (https) and various OEM protocols. More information in TagMaster manuals
Encrypted air interface	:	According to RAIN
EMC	:	EN 301489-1, EN301489-3
Certificates	:	CE Certificate according to directive 2014/53/EU (RED) and FCC
Standard	:	RAIN (EPC Gen2/ISO 18000-63)
Safety	:	EN 60950-1 and 60950-22
Manuals and documentation	:	XT Series Reader Manual

Due to TagMaster's continuous effort to develop the products in response to customer needs, the above specifications are subject to change.