

# XT-3 UHF Reader

DATA SHEET

The all-in-one integrated XT-3 Reader is easy-to-use, easy-to-install and made for outdoor use, with the option to add an additional external antenna, therefore providing the configuration flexibility needed to suit a wide range of installations. The reader is suitable for applications where a higher environmental classification is required



## The TagMaster XT-3 is a UHF reader optimised for long-range vehicle access

With its “all-in-one” design including integrated antenna, the XT-3 is certified for outdoor use and is easy to use and easy to install. The XT-3 also supports one additional external antenna providing the configuration flexibility needed to suit a wide range of installations.

TagMaster has designed the XT-3 around a Linux operating system, which provides powerful processing capabilities within the reader. This offers maximum flexibility in terms of application integration and access to the built-in Ethernet (TCP/IP), RS232, RS485 and Wiegand/Magstripe interfaces.

The XT-3 supports TagMaster’s existing reader application software as well as allowing customised reader application development using TagMaster Software Development Kit.

## EPC Gen2 standard

The XT-3 is fully compliant with the EPC Gen2 (ISO 18000-63) standard and reads all passive ID-tags compliant with this standard.

## KEY FEATURES

- ▶ Long read range, 8 metres (26 ft)
- ▶ Supports TagMaster Secure MarkID™
- ▶ Robust and Weatherproof – IP66
- ▶ Optional antenna expansion capability
- ▶ Customised
- ▶ Bright LED and buzzer indicators

The XT-3 Reader includes TagMaster’s SecureMarkID ID-Tag format, which is developed to ensure that each UHF ID-tag has a unique identity which is difficult to duplicate. The XT-3 combined with our SecureMarkID ID-Tags provides a higher level of security.

## Antenna expansion capability – DuoPass

The XT-3 reader can be combined with an external Antenna for a cost effective access solution. You will find more information in TagMaster DuoPass product sheet.

## PART NO. INFORMATION

XT-3 UHF Reader, eu	153100
XT-3 UHF Reader, us	153200
Universal Mounting Kit	193600
External antenna incl led indicator, eu	163100
External antenna incl led indicator, us	163200

## TECHNICAL INFORMATION

<b>Operating frequencies</b>	Area 1: 865.6–867.6 MHz Europe Area 2: 902–928 MHz US, Americas
<b>Read range</b>	Area 1: up to 8 metres* (26 ft). Area 2: up to 9 metres* (29 ft), with TagMaster UHF tags with SecureMarkID.
<b>Protection</b>	IP66
<b>Housing</b>	Aluminum housing UL94 certified plastic XENOY™ cover
<b>Operating temperature</b>	-40°C (-40°F) to +60°C (+140°F)
<b>Output power</b>	EU: 2 W** (e.r.p). US: 4 W (e.i.r.p)
<b>Power supply</b>	10 to 30 VDC
<b>Power consumption</b>	8.8 W (max 15 W)
<b>Input</b>	3 isolated inputs
<b>Output</b>	2 isolated outputs
<b>Relay</b>	1 relay output, 60 VDC, 2 A
<b>Interfaces</b>	RS232, RS485, Wiegand/Magstripe, Ethernet
<b>Weight</b>	2.3 kg (5.1 lbs)
<b>Dimensions</b>	300 x 300 x 60 mm (11.8 x 11.8 x 2.4 inch)
<b>LED indicator</b>	Red/Green/Yellow
<b>Communication protocols</b>	TAGP and various OEM protocols. More information in TagMaster manuals
<b>Encrypted air interface</b>	According to EPC Gen2 (ISO 18000-63)
<b>EMC</b>	EN 301489-1, EN301489-3
<b>Certificates</b>	CE Certificate according to R&TTE-Directive 1999/5/EC and FCC
<b>Standards</b>	EPC Gen2 (ISO 18000-63)
<b>Safety</b>	En 60950-1
<b>Manuals and documentations</b>	Installation Manual & Data sheet XT-3 reader

\* Read range depends on type of ID-tag and reader settings.

\*\* Permissible subject to local regulations.