



## **XT-3<sup>HD</sup> Reader**

**EPC Gen 2 UHF**



The XT-3HD Reader is a full functionality EPC Gen 2 (ISO 18000-6C) compliant UHF Reader. This reader is primarily intended for track-side installations in asset tracking applications within the railway industry.

The XT-3HD will read EPC Gen 2 UHF ID-Tags mounted on passing trains or wagons. The reader uses an integrated reader/antenna design with the option to add an additional external antenna, therefore providing the configuration flexibility needed to suit a wide range of installations.

TagMaster has designed the XT-3HD around its GEN4 Linux operating system, which provides powerful processing capabilities within the reader and maximum flexibility in terms of application integration. The reader can simultaneously report timed tag events to both local and remote systems. The XT-3HD supports TagMaster's existing reader application software, as well as allowing customised reader application development using TagMaster's open source Software Development Kit. TagMaster will also support the GS 1 EPCIS Information Protocol Services communication interface.

The XT-3HD is a rugged outdoor reader designed to comply with appropriate EMC and environmental railway standards. It supports several standard communication interfaces including Ethernet (TCP/IP), RS232 and RS485. In addition the reader includes USB, relay, digital I/O ports and a service interface. The reader can be configured either locally or remotely using the built in web interface.

### **XT-3HD Key Design Features**

- Fully compliant to ISO 18000-6 type C standard EPC Gen 2 (UHF 865 to 868 MHz in Europe)
- Read-range of up to 5 metres
- CE certification to European Directives
- Certification to International EN railway standards  
EN 50125 Railway Applications – Environmental conditions for equipment Part 3 Equipment for Signalling and telecommunications (track-side equipment levels for Shock and Vibration)  
EN 50121 series Railway Applications – Electromagnetic compatibility (Applicable EMC levels)
- Enclosure to IP66
- Communication interfaces: Ethernet, RS232 and RS485
- TagMaster GEN4 Linux system software
- Supported by TagMaster's Software Development Kit (SDK)
- Support for EPCIS Information Protocol Services (via Ethernet)

For more information contact: [info@cardservice.ch](mailto:info@cardservice.ch)