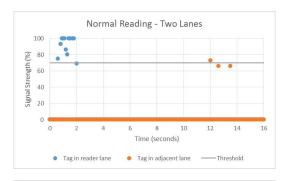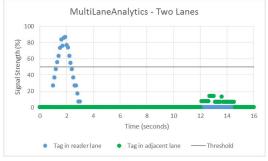# MultiLaneAnalytics™

Built-in Reader functions to find and report tags from vehicles in a specific driving lane

Normal Reading - Two Lanes

MultiLaneAnalytics - Two Lanes

KEY FEATURES

▶ **Find and report tags from a specific lane**

▶ **Distinguish and discriminate tags from adjacent lanes**

▶ **Compatible with all RAIN compliant tags**

▶ **Distributed Cross Read Elimination (DCRE)**

▶ **Distributed Duty Cycling (DDC)**

A TagMaster innovation

MultiLaneAnalytics™ is a set of functions designed to be used in an environment with multiple driving lanes. Such an environment is characterized by several Readers, by vehicles passing in different lanes, and sometimes driving in different directions. Many applications require that a vehicle is read by a specific Reader to be assigned to that specific lane. This to be able to perform a function as opening a barrier, opening a gate, report to a connected access control system or parking system, or in the case of road tolls to report a passage and possibly synchronize the identity with cameras or other equipment. A well-known problem in such cases is that due to multipath reflections, sporadic stray reads are recorded. These can be very difficult or impossible to discriminate. TagMaster's MultiLaneAnalytics™ offers a solution to this problem.

Using a unique firmware implementation the TagMaster readers in a single installation communicates real-time 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 does not read simultaneously and thereby achieving absolutely optimal reading conditions.

Easy setup

MultiLaneAnalytics™ is compatible with RAIN. The advanced functions have been developed by TagMaster to solve the problem by offering a way to find and report tags from a specific lane while ignoring tags from adjacent lanes.

By using TagMaster's MultiLaneAnalytics™, the reliability and accuracy of the system is unsurpassed in a multi-lane environment. The functions are firmware controlled. MultiLaneAnalytics™ is recommended to be combined with SecureMarkID® for increased security and ease of use. By selecting both tags and readers from TagMaster, an extremely reliable and accurate RAIN system with security extensions can be up and running directly out of the box.

PART NO. INFORMATION

XT-1 eu	152500
XT-1 us	152600
XT-1 ETC in	153710

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