

mGATE™

Delivering Mobile Commerce in a Tiny Package

Overview

MARK IV's mGate™ reader delivers low-cost, mobile commerce and gate control functions for transponder applications. mGATE is the value leader for parking lot access control, drive-thru payment applications and other low-vehicle-speed, tag-read environments.

Scalability

mGate engineering delivers exceptional application flexibility. The unit performs accurate, reliable tag reads in one- and two-lane applications. Four mGate units can be controlled from a single Microsoft® Windows-based PC.

Easy Installation

- ✦ mGate features an external UL/CSA power supply that connects to a 115V/60Hz outlet
- ✦ Factory-trained personnel are available for in-field antenna tuning to achieve high performance reading of Mark IV FPT and LPT transponders

m-Commerce Functionality

- ✦ mGate is capable of storing the status of up to 10,000 tag ID's locally.

Key Benefits

- ✦ Provides accurate, reliable low-vehicle-speed FPT and LPT tag reading in mobile commerce and gate control applications
- ✦ Single-unit functionality in one and two-lane applications
- ✦ Easy installation
- ✦ Possesses stand alone host connection configuration with traditional lane controller connections
- ✦ Wiegand interface
- ✦ Digital I/O interface
- ✦ Compatible with all MARK IV IAG 256-bit transponders



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Technical Specifications

Size	3.4" H x 12.0" L x 4.1" D (86mm x 305mm x 104mm) (Reader, excluding cables, connectors, attenuators and power supply)
Operating Temperature Range and Environment	0 deg C to +40 deg C; 20% to 85% relative humidity, non-condensing
Storage Environment	-40 deg C to +70 deg C; 20% to 85% relative humidity, non-condensing
Power Requirements	Universal AC Input 50-60 Hz, 115V/1.5A. DC input available. Contact factory for details.
Operating Frequencies	909.75 MHz – 921.75 MHz, with 915.75 MHz nominal center frequency.
FCC Information	Each reader uses one RF Module: Part 90 site license required for operation in the USA.
Transponder Compatibility	Reads MARK IV IAG style 256-bit transponders, including ROADCHECK FPT, LPT, RMT, and FUSION