

# mGATE. Delivering mobile commerce in a tiny package.



Kapsch’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.

**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 Kapsch JANUS® Interior, JANUS Exterior, JANUS Feedback-FPT and FME 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 JANUS Interior, JANUS Exterior, JANUS Feedback, FPT and FME tag reading in mobile commerce and gate control applications
- Single-unit functionality in one and two-lane applications
- Easy installation
- Wiegand interface
- Possesses stand alone host connection configuration with traditional lane controller connections
- Digital I/O interface
- Compatible with all Kapsch IAG 256-bit transponders



<b>mGATE Reader Technical Specifications:</b>	
<b>Operating Frequency:</b>	915.75 MHz nominal center frequency
<b>Dimensions (W x H x D)*:</b>	12.0 x 3.0 x 4.1 in. 30.48 x 7.62 x 10.41 cm <small>*(excludes cables, connectors, attenuators &amp; power supply)</small>
<b>Weight:</b>	3.59 lbs. 1.63 kg
<b>Buffered Data Capacity:</b>	10,000 transactions
<b>Data Format:</b>	Manchester Keyed Carrier
<b>Error Checking:</b>	16-bit Cyclic Redundancy Check (CRC)
<b>Data Rate:</b>	500 kbps ± 10 % (uplink/downlink)
<b>Operating Temperature:</b>	-30°C to +75°C -22°F to +166°F
<b>Storage Temperature:</b>	-40°C to +85°C -40°F to +185°F
<b>Relative Humidity:</b>	5 % to 95 % non-condensing
<b>Vibration:</b>	1 G
<b>Shock:</b>	MIL-STD-810E
<b>Input Power:</b>	Universal AC input 50-60 Hz, 115 V/1.5 A or 12 VDC/2.0 A
<b>Power Consumption:</b>	5.5 Watts
<b>Regulatory:</b>	Makes use of FCC Part 15 compliant RF module(s) UL60950-1. Part 90 site license required for operation in the USA
<b>Compatibility:</b>	JANUS Interior, JANUS FME Exterior, JANUS Feedback as well as IAG style 256-bit transponders, including ROADCHECK FPT, LPT, RMT and FUSION®
<b>Maximum Cabling Distance:</b>	50 ft. assuming IAG-1 antenna and using LMR-400-DB cabling
<b>Communications Interface:</b>	RS-232-C interface. Up to 56K asynchronous. Optional RS-422 interface
<b>RF Channel Capacity:</b>	Supports 2 lanes-based channels

### Kapsch Group

The Kapsch Group and its entities Kapsch TrafficCom, Kapsch CarrierCom and Kapsch BusinessCom are specialised in the future-oriented market segments of Intelligent Transportation Systems (ITS) and Information and Communication Technology (ICT). Kapsch. Always one step ahead.

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