

# JANUS Interior Transponder.

The world's most popular toll transponder, in a new, sleek, smaller package.



Kapsch's JANUS<sup>®</sup> Interior Transponder delivers the same powerful flexibility and functionality as Kapsch's IAG Interior FPT, the world's most popular toll transponder. Now, in a much smaller package, toll patrons will appreciate JANUS' sleeker case design. The JANUS Interior Transponder features the same Dual-Lock<sup>™</sup> installation as the FPT transponder, allowing for easy replacement. There are over 21 million E-ZPass<sup>®</sup> transponders in service.

### Scalability

JANUS interior transponders are designed for high performance in both lane-based and open road toll collection environments, enabling agencies to migrate seamlessly to open road applications as resources permit.

### Durability, Longevity & Value

With a battery design life of 10 years, JANUS Interior Transponders deliver optimum life cycle cost, and can be transferred between vehicles, expanding their usability and allowing for unit recycling as resources permit.

### Reliability

Field tested, the JANUS transponders are proven reliable. Designed to deliver unparalleled

performance under the most challenging of circumstances:

- Vehicle speeds up to 100 mph
- Multiple lane, open road applications
- Stop and go bumper to bumper traffic
- Snow, rain, and fog

### Multiple Applications

- Electronic toll collection
- Parking payment
- Traffic monitoring
- Access control
- Any ITS application enabled by location-based vehicle identification

### Key Benefits

- IAG interoperable for function,

performance and mounting

- Designed for lane-based and open road toll collection
- Lower life cycle costs than one-use permanently mounted tags
- Recyclable to new accounts
- Eleven year design life
- Portability between vehicles



Technical Specifications:	
<b>Operating Frequency:</b>	915 MHz nominal center
<b>Dimensions (W x H x D):</b>	3.7 x 1.9 x 0.9 in. 9.40 x 4.83 x 2.29 cm
<b>Weight:</b>	1.87 oz. 53 g
<b>Case Color:</b>	Pearl White, Blue, Orange, Yellow and Green
<b>Data Capacity:</b>	256 bits
<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/Storage Temperature:</b>	-40°C to +85°C -40°F to +185°F
<b>Vibration:</b>	SAE J1211, 1.5 g
<b>Shock:</b>	SAE J1211
<b>Power Source:</b>	Internal lithium battery
<b>Design Life:</b>	11 years
<b>Mounting:</b>	Interior
<b>Regulatory:</b>	FCC Part 90 and Part 15, Industry Canada RSS-137
<b>Compatibility:</b>	IAG protocol
<b>Options:</b>	Secure mounting, permanent mounting

### 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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