

JANUS Interior Transponder. 915 MHz.



Kapsch's JANUS® Interior Transponder delivers powerful flexibility and functionality in a new and smaller package. The JANUS Interior Transponder features the same Dual-Lock™ installation as Kapsch's other interior transponders. There are over 22 million E-ZPass® 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 and 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 over 100 mph
- Multi-lane, open road applications
- Stop and go bumper to bumper traffic
- All weather performance

Multiple Applications.

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

Features.

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



Technical Features

Operating Frequency

- 915.75 MHz
(nominal center using FCC RF Module)

Dimensions (WxHxD)

- 3.7 x 1.9 x 0.9 in.
- 9.40 x 4.83 x 2.29 cm

Weight

- 1.87 oz.
- 53 g

Case Color

- Pearl White, Blue, Orange, Yellow and Green

Data Capacity

- 256 bits

Data Format

- Manchester Keyed Carrier

Error Checking

- 16-bit Cyclic Redundancy Check (CRC)

Data Rate

- 500 kbps \pm 10% (uplink/downlink)

Operating Temperature

- -40° C to +85° C
- -40° F to +185° F

Storage Temperature

- -40° C to +85° C
- -40° F to +185° F

Vibration

- SAE J1211, 1.5 g

Shock

- SAE J1211

Power Source

- Internal lithium battery

Design Life

- 10 years

Mounting

- Interior

Regulatory

- FCC Part 90 and Part 15,
Industry Canada RSS-137

Compatibility

- TDM protocol

Options

- Secure mounting, permanent mounting

Kapsch Group.

Kapsch is one of Austria's most successful technology corporations, specialized in the future-oriented market segments of Intelligent Transportation Systems (ITS), Railway and Public Operator Telecommunications as well as Information and Communications Technology (ICT). Kapsch. Always one step ahead.