

JANUS Exterior Transponder. 915 MHz.



The Kapsch JANUS® Exterior Transponder delivers the same high performance as the JANUS Interior Transponder for TDM protocol applications where interior-mounted transponders may not be preferred or cannot be used. There are over 26 million Kapsch transponders in active use today in North America, which includes E-ZPass®, the world's largest interoperable toll system.

Flexibility.

JANUS Exterior Transponders are designed for high performance in both lane-based and open road toll collection environments. This enables agencies to migrate seamlessly to open road applications as resources permit.

Durability and Value.

Exterior Transponders are designed as durable, compact units to ensure a superior, consistent user experience.

Reliability.

JANUS transponders 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.

- Highly suitable for all electronic toll collection (ETC)
- Traffic Monitoring
- Access Control
- Parking Payment
- Any ITS application enabled by location-based vehicle identification



Technical specifications	
Operating Frequency	<ul style="list-style-type: none"> 915.75 MHz nominal center
Dimensions (WxHxD)	<ul style="list-style-type: none"> 8.4 x 1.8 x 1.1 in 21.5 x 4.57 x 2.8 cm
Weight	<ul style="list-style-type: none"> 3.6 oz. 103 g.
Case Color	<ul style="list-style-type: none"> Black (default) Optional: Blue, Orange, Yellow. Other colors may be available^(*)
Data Format	<ul style="list-style-type: none"> Manchester Keyed Carrier
Data Capacity	<ul style="list-style-type: none"> 256 bits
Data Rate	<ul style="list-style-type: none"> 500 kbps
Error Checking	<ul style="list-style-type: none"> 16-bit Cyclic Redundancy Check (CRC)
Operating / Storage temperature	<ul style="list-style-type: none"> -40 °F to +167 °F -40 °C to +75 °C
Vibration	<ul style="list-style-type: none"> SAE J1211 (Nov '78), Para. 4.7.3, 1.5 G_{rms} (5 - 1000 Hz)
Shock	<ul style="list-style-type: none"> SAE J1211 (Nov '78), Para. 4.8.2, 4ft.
Power Source	<ul style="list-style-type: none"> Internal sealed lithium battery
Mounting	<ul style="list-style-type: none"> Exterior - SAE J1455, waterproof
Regulatory	<ul style="list-style-type: none"> FCC Part 90 and Part 15, Industry Canada RSS-137
Compatibility	<ul style="list-style-type: none"> TDM protocol



JANUS Exterior Transponder, roof-mounted.



JANUS Exterior Transponder, front-mounted.



JANUS Exterior Transponder, with optional mounting.

(*) Contact your account executive for more information.

Kapsch TrafficCom.

Kapsch TrafficCom is a provider of intelligent transportation systems (ITS) in the application fields of road user charging, urban access and parking, road safety enforcement, commercial vehicle operations, electronic vehicle registration, traffic management and V2X cooperative systems. We cover the entire value creation chain of our customers with end-to-end solutions. From components and subsystems to their integration and operation. Our core business is to design, build, and operate electronic toll collection systems for multi-lane free-flow traffic.

About Kapsch Group.

Kapsch is one of Austria's most successful technology corporations to specialize in the future-oriented market segments of intelligent transport systems (ITS) and information and communications technology (ICT). Kapsch. Always one step ahead.