

US

JANUS Multiprotocol Reader II.



The JANUS® Multiprotocol Reader II (MPR2) takes accurate transponder identification and reliable revenue capture to the next level — and ensures your interoperable future. The reader is built on a highly scalable and redundant operating environment, and supports most major North American industry tolling protocols. JANUS MPR2 provides ease of installation, integration, maintenance, protocol selection, and facilitates a future transition strategy.

The JANUS MPR2 makes very efficient use of available communication time. Asynchronous protocol configuration allows for prioritizing time slots, thereby maximizing multiprotocol capture for your particular environment. This adaptable reader adds multiprotocol capture capability to new or existing lanes. A single MPR2 reader can support up to eight lane-based or five AET (All Electronic Tolling) channels and sync to previous generation readers.*

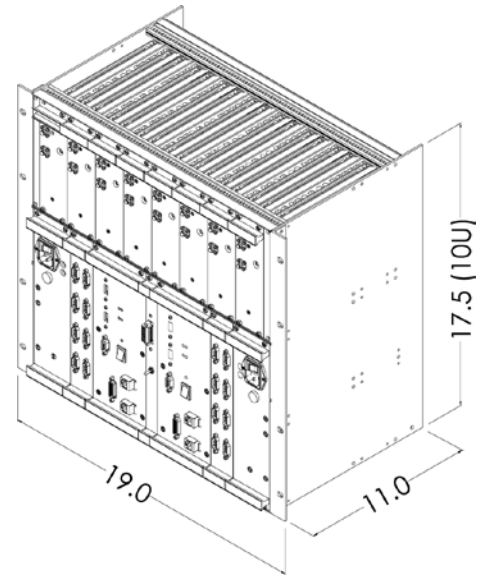
Features

- Industry-proven voting algorithm ensures accurate lane identification.
- Highly redundant architecture sustains the revenue collection process and ensures uptime, with a higher confidence level in performance.
- Unlimited channel availability, including AET, by connecting and synchronizing additional readers.
- Intuitive web interface that supports remote diagnostics, RF power, sensitivity per channel, software update management, and system performance monitoring.
- Linux-based operating environment.

Key Benefits

- Protects operator technology investment as the market evolves to national interoperability.
- Ensures precise lane reads in multiple application environments.
- Provides a flexible platform facilitating multiple transponder deployment strategies and smooth migration from legacy protocols.
- Field software upgradable – JANUS MPR2 adapts and supports your operational strategy upgrades. It allows for the possible addition of protocols.†

Technical Specifications																						
Operating Frequency	■ 902 to 921.5 MHz																					
Dimensions (W x H x D)	■ 19.0 in (48.3 cm) rack mount (10U height) ■ 19.0 x 17.5 x 11.0 in. / 48.3 x 44.5 x 27.9 cm																					
Weight	■ 63 lbs. / 28.6 kg (cabinet options available)																					
Buffered Capacity *	■ 400,000 to 1,000,000 transactions																					
Error Checking	■ Protocol specific																					
Operating Temperature	■ -34.6°F to +131°F / -37°C to +55°C ■ -34.6°F to +165°F / -37°C to +74°C (with circulating fans)																					
Storage Temperature	■ -49°F to +199°F / -45°C to +93°C																					
Shock & Vibration	■ NEMA TS-1																					
Relative Humidity	■ 5 % to 95 % non-condensing																					
Input Power/Consumption	■ 350W (redundant), 296W (non-redundant) @ 120 VAC																					
Regulatory	■ Reader: FCC Part 15 Class A UL 60950-1 ■ RF Module: FCC Part 90* Industry Canada RSS137 *Part 90 site license is required for operation in the USA																					
Compatibility*	<table border="1"> <thead> <tr> <th>Protocol*</th> <th>Read</th> <th>Write</th> </tr> </thead> <tbody> <tr> <td>TDM (Kapsch) - e.g. E-ZPass®</td> <td>•</td> <td>•</td> </tr> <tr> <td>ISO 18000-62 (6B)</td> <td>•</td> <td></td> </tr> <tr> <td>ISO 18000-63 (6C)</td> <td>•</td> <td>•</td> </tr> <tr> <td>ATA ISO 10374</td> <td>•</td> <td></td> </tr> <tr> <td>SeGo</td> <td>•</td> <td></td> </tr> <tr> <td>Allegro</td> <td>•</td> <td></td> </tr> </tbody> </table>	Protocol*	Read	Write	TDM (Kapsch) - e.g. E-ZPass®	•	•	ISO 18000-62 (6B)	•		ISO 18000-63 (6C)	•	•	ATA ISO 10374	•		SeGo	•		Allegro	•	
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Communications Interface	■ Ethernet (10/100/1000Base-T)/RS232/RS422																					
RF Channel Capacity*	■ Supports up to eight lane-based or five AET channels, with the option to connect and sync multiple readers to support additional lanes.*																					



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***Janus MPR2 supports a number of different protocol installations and features based upon customer requirements; 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.

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.

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