



RFID for Rail Wagon Tracking



Detecting a vehicle position, direction and side indicator is *a must* for safety reasons but it also enables better asset management. Confidex RFID tags provide an effective and fully automated tracking solution for locomotives, railroad cars, coaches and wagons.

RFID in Rail MRO

Railway operator's maintenance, repair and overhaul program for rolling and fixed stock includes numerous assets of which many are critical for smooth operations. RFID gives identity to each critical component. The identification is a key to reliable maintenance record and for the plan for each specific item.

RFID identification is easy! The assets and items can be identified even on-fly, for example at rolling stock trackside diagnostic stations.

"Confidex RFID tags are designed to meet the demanding conditions in which the railway assets operate during their service."

The specifically suitable *Confidex Ironside™* RFID tag family includes leading performance outdoor tags for railway applications. The tags are available with versatile personalization options such as laser markings and attachment accessories upon request.



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Reliable data built on Reliable LINKS
 CONFIDEX RFID, NFC and Bluetooth® products



RFID Tags For Rail Wagon Tracking

	Confidex Ironside™	Confidex Ironside Slim™	Confidex Survivor™
Picture			
Read range	up to 9m/ 30 ft	up to 10m/ 33 ft	up to 18m/ 60 ft
Tag attachment	Industrial glue + screws/rivets	Industrial glue + screws/rivets	Industrial glue + screws/rivets
RFID pre-encoding	GIAI-96, as per GS1 rail standard available on request		
Human readable marking	Human readable text and customer logo laser engraving available on request.		
Machine readable marking	Laser engraved barcode and/or datamatrix available on request.		

RFID Tags For Rail MRO Parts Marking



	Confidex Ironside Slim™	Confidex Ironside Micro™	Confidex custom designs
Picture			
Use case	Outdoor & indoor use Durable mechanics	Outdoor & indoor use Durable mechanics	Outdoor use for specific attachment
Read range	Up to 4m/ 13 ft with handheld	Up to 2m/ 6 ft with handheld	Depending on design
Tag attachment	Screws, rivets, industrial adhesive	Screws, rivets, industrial adhesive	Hose tie, adhesive, bolt attachment.
RFID pre-encoding	GS1 rail GIAI in EPC memory		
Human readable marking	GS1 rail GIAI number series		
Machine readable marking	GS1 rail GIAI 2D datamatrix		

Note: The information herein is subject of change without prior notice. Please consult Confidex Ltd for the most current information and availability.