

MOTOTRBO R7Ex contactless solutions

Keep track of what's important

Contactless technology uses radio waves to identify individual assets, allowing users to benefit from features such as asset tracking, inventory management, and personnel identification. These cost-effective ID-tracking tools help manage loss prevention, streamline operations, boost productivity and enhance safety protocols.

The MOTOTRBO™ R7Ex contactless solution provides a passive RFID or NFC tag that doesn't add any cumbersome fittings or increase the size of the radio. The tag type and placement have been specifically selected and tested to ensure they cause no interference to, or impact on, the performance of the radio. Each tag has a unique identification number built in, allowing the radio to be tracked and managed. The tags are supplied embedded in a radio bezel, which is marked with an identifier logo so users can easily see if their R7Ex radio is fitted with an RFID or NFC tag.





Enhance safety standards

The R7Ex arms workers with reliable, integrated tools to help stay focused and connected in dynamic environments. RFID & NFC tags enhance this commitment, providing a user-friendly solution to location and access control. Simply hold an R7Ex against a checkpoint within your facility to confirm position, transmit a status to a centralised unit, or scan the R7Ex to gain access to a restricted area.

Identifier shows
RFID or NFC tag is fitted

Boost efficiency In tracking and loss prevention

Managing a large fleet of devices is time-consuming and fraught with human error. Manual recording, weathered barcodes and busy work days can cause delays and mistakes, leading to untracked devices and wasted investment. RFID tags help keep track of radios out in the field and upon return, allowing a quick scan of multiple devices at once.

Shift change delays affect workflow and morale, slowing productivity and putting undue pressure on management. Contactless technology reduces this operational downtime as employees can quickly check out their R7Ex device from the inventory pool, then re-scan to check back in when shift has ended.

	RFID	NFC
GENERAL SPECIFICATIONS		
Part number / description	PMLN8707 R7Ex RFID tag kit (EU) PMLN8700 R7Ex RFID tag kit (US)	PMLN8699 R7Ex NFC tag kit
ENVIRONMENTAL		
Operating temperature	-20°C to +60°C	-30°C to +60°C
Storage temperature	-20°C to +85°C	-30°C to +85°C
Thermal shock	Per MIL-STD	
Humidity	Per MIL-STD	
Drop height	1200 mm	
IP rating	IP66, IP68 (2 metres for 2 hours)	
RF SPECIFICATION		
Frequency range	866 - 868 MHz (EU) 902 - 928 MHz (US)	13.56 MHz
Read range ¹	0.3 m to 47 m	20 mm, parallel to centre of reader
Protocol	EPC Class 1 Gen 2v2	NFC Forum - Type 5; Standard - ISO15693
REGULATORY		
RED EMC/RF	EN 302 208 V3.3.1; EN 301 489 -3 V2.2.3	EN 300 330 V2.1.1; EN 301 489 -3 V2.2.3

¹Depending on reader

To learn more, visit: www.motorolasolutions.com/R7Ex



These models available in Motorola Solutions ANZ, APAC, EMEA and LACR regions only. Availability varies and is subject to individual country law and regulations.

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