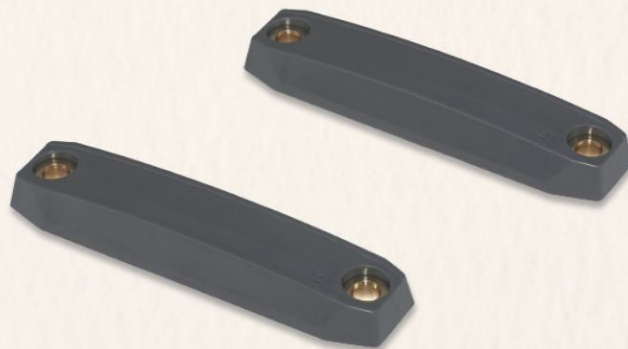


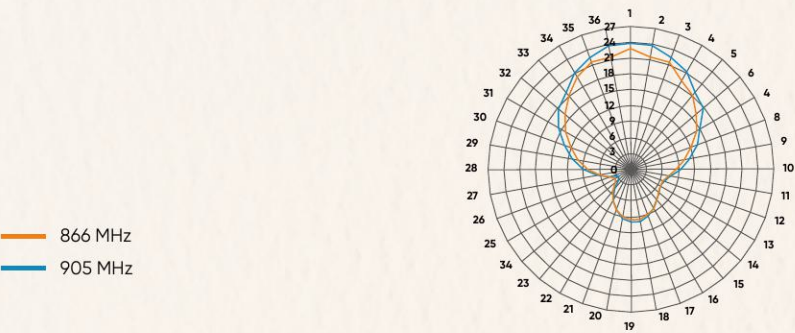


NXP® UCODE® 9xm UHF RFID On-Metal Tag

SKU:	RS-U9XM-OMPLS-8521
Chip Type:	NXP® UCODE® 9xm
Frequency:	UHF 860–960 MHz
Protocol:	ISO/IEC 18000–63, EPCglobal Gen2v2
User Memory:	Up to 752 bits
EPC Memory:	Up to 496 bits
TID Memory:	96 bits
IP Rating:	IP68
Industry:	Automotive, Logistics, Warehouse, Construction
Applications:	Equipment management, Energy facility, Aerospace fixture, Container and storage rack

Built as a reliable identification solution for metal assets and equipment in demanding industrial environments, this UHF RFID on-metal tag ensures consistent performance where ordinary tags fail. Its rugged housing resists impact, moisture, chemicals, and mechanical stress, while an internal anti-metal layer maintains stable readability on metal surfaces. Powered by the NXP® UCODE® 9xm chip with IP68 protection, it enables asset tracking systems to store maintenance, inspection, and lifecycle data directly on the tag for dependable equipment, warehouse, and logistics management.

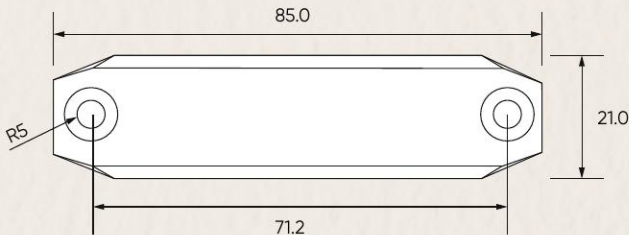
Orientation Sensitivity



Physical Information	Material	Ceramic
	Surface Material	Engineering Plastics
	Tag Size	85×21×10 mm
	Operating Environment	-40°C~+85°C
	Thermal Endurance(Non-operating)	+18°C~+28°C
	Mounting Methods	Adhesive, Rivet, Magnet, Screw
	Surface	Metal

Technical Information	Operating Frequency	860–960 MHz
	Communication Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
	Chip Type	NXP® UCODE® 9xm
	Read Range	FCC > 23.6 m, on metal; ETSI > 22.7 m, on metal
	TID Memory	96 bits
	User Memory	Up to 752 bits
	EPC Memory	Up to 496 bits
	Operating Mode	Passive
	Read Sensitivity	-24 dBm
	Write Sensitivity	-22 dBm
	Security Features	32 bits Kill & Access Password

Label Dimensions
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product Updates and Revisions:** [rfidbridge.com](https://www.rfidbridge.com) may change products, specs, or services at any time without prior notice. ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. ● **Legal Notice:** Information is believed accurate but may change [rfidbridge.com](https://www.rfidbridge.com) is not liable for use-related issues or outcomes.