

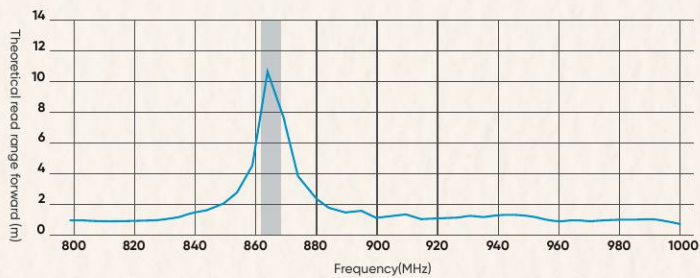


SKU:	RS-U8-OMPPS-4732
Chip Type:	NXP® UCODE® 8
Frequency:	UHF (US)902-928 MHz, UHF (EU)865-868 MHz
EPC Memory:	128 bits
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2
Max. Read Range:	6.6 m on metal 2.2 m embedded in concrete
IP Rating:	IP68
Industry:	Concrete and Construction Industry
Applications:	Asset Tracking, Equipment Tracking, Inventory Tracking

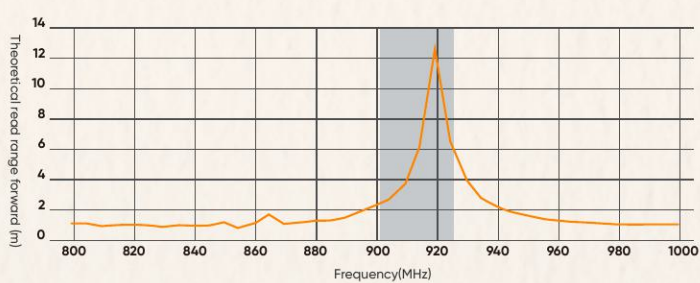
Concrete NXP® UCODE®8 PPS RFID On-metal Tag

This durable RFID tag, equipped with IP68 and utilizing the NXP® UCODE®8 chip, is constructed from sturdy PPS material, ensuring dependable long-range tracking even when embedded in concrete or on challenging surfaces.

With exceptional resistance to heat, corrosion, and impact, it fulfills the rigorous requirements of the construction sector for effective asset management and structural monitoring.



Reading Range Under Different Frequency-FCC Standard



Physical Information

Material	PPS
Size	46.5×31.5 mm(Hole: Ø3.6 mm×2)
Tag Color	Black
Tag Weight	22 g
Tag Thickness	7.5 mm
Operating Environment	-25°C~+100°C
Storage Environment	+18°C~+28°C
Applicable Surface	Embedded in concrete
Mounting Method	Embedded in concrete
IP Rating	IP68

Technical Information	Operating Frequency	(US)902-928 MHz, (EU)865-868 MHz
	Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2
	Chip Type	NXP® UCODE®8
	EPC Memory	128 bits
	User Memory	0 bits
	TID Memory	96 bits
	Read Range on Metal(Fix Reader)	6.6 m
	Read Range on Metal(Handheld Reader)	4.6 m
	Read Range with Handheld Reader when Embedded in Concrete	5 cm depth: 2.2 m 10 cm depth: 2 m
	Security Features	(Perma)LOCK™, kill command, EAS tag alternative function, autocorrect memory protection, authenticity certification, 32-bit kill password, 32-bit access password

● **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.
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