



***This contactless RFID tag is designed to use in rough and harsh service environments and is resistant to liquids and metals.***

The ultra high frequency Gen 2 RFID tag can be both read and written to. It supports multi-detection and is compliant with Philips UCODE EPC 1.19 Inlay. This tag is commonly used for containers, stillages and trolleys and is suitable for harsh environments where long read range is required. It has a maximum read distance of 5.7m. The RFID tag is waterproof and dustproof with an IP67 protection rating. It is resistant to immersion in salt water, alcohol, oil, 10% HCL and ammonia for about 100 hours. It can be directly mounted on metallic objects.

**Specifications**

Frequency	902 to 928MHz
Type	Contactless read/write
Data coding type	EPC Class 1 Gen 2
Tested read range	Max. 5.7m read, 8.2m write
Min. read quantity	150tags/s
Antenna size	27mm × 10mm
Material	ABS with 3m adhesive strip
Color	Grey
Operating temperature	-25°C to 70°C
Storage temperature	-40°C to 85°C
Humidity	40% to 80% relative
Regulator specifications	ISO18000-6C
Dimensions	150mm × 25mm × 4mm
Weight	16g





**GAO RFID Inc.**

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*Celebrating Over 15 Year of Innovation*

*Product Overview*

**UHF Gen 2 Philips UCODE Environment RFID Tag  
(116506)**



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