

Overview

Frequency Band

860MHz-960MHz

Chip

ImpinJ M830

Antenna Dimensions

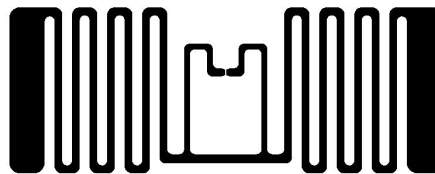
16*42 mm/0.63*1.56 inch

International Standard

ISO/IEC 18000-63 Type C

Applications

Warehousing management
Logistics and Transportation
Clothing Retail



This UHF RFID tag features a flexible antenna design, offering a slim and lightweight profile ideal for long-range identification of items such as apparel, logistics, and retail goods. It delivers excellent read performance and durability.

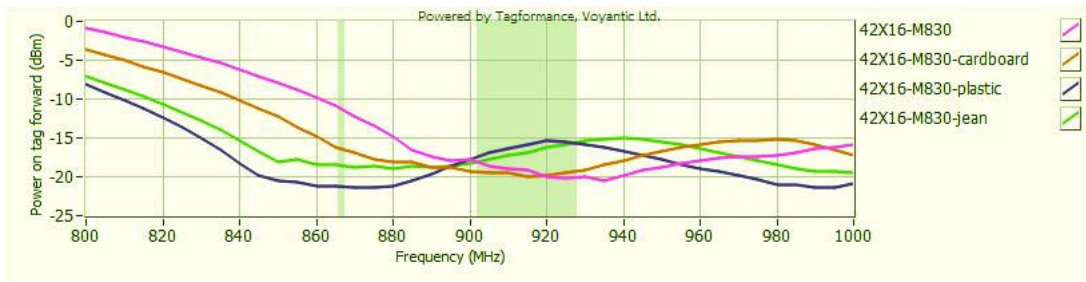
The M830 chip supports Gen2X and is fully compatible with GS1 UHF Gen2 and ISO/IEC 18000-63 standards. It enables rapid read/write operations and dense mode recognition. With its high-sensitivity design, the chip ensures stable long-range reading performance, making it perfect for high-frequency, large-volume application scenarios.

OSRFID has an in-house R&D team well equipped with state of art Lab equipment which can customize a suitable label for your real-world applications.

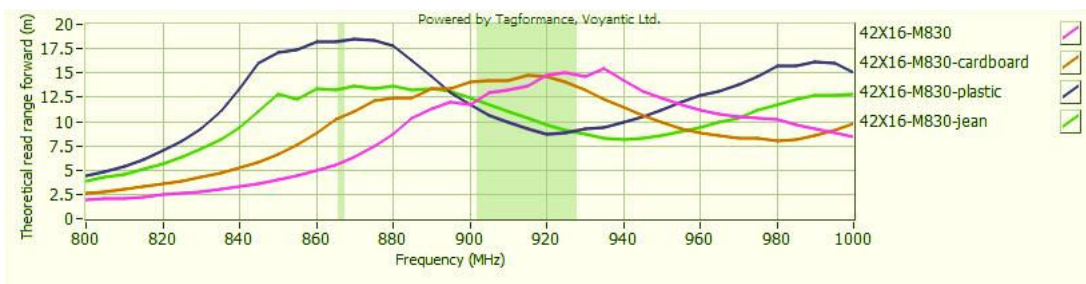
Technical Features

Model	OS31847	OS32315	OS333196
Delivery Format	Dry Inlay	Wet Inlay	Label
EPC Memory	128Bits	128Bits	128Bits
User Memory	0Bits	0Bits	0Bits
Die-cut Dimension	-	45*18mm	45*18mm
Inlay Substrate	50um PET	50um PET	50um PET
Standard Pitch	25.4mm	25.4mm	25.4mm
Web Width	55mm	55mm	55mm
Core Size	76.2mm/3inch	76.2mm/3inch	76.2mm/3inch
Quantity / Reel	10000 ± 300Pcs/Reel	2500 ± 2Pcs/Reel	2500 ± 2Pcs/Reel
Operating Temperature	-20℃ to +50℃ (20% to 80%RH)		
Remarks	Wet inlay and Label are regular size. Other size can be customized.		

Sensitivity



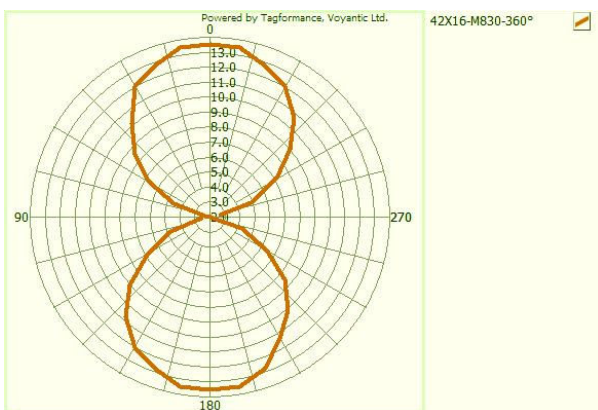
Read Range



Sensitivity&Read Rang Test power: 4W EIRP

For countries that allow 2W ERP, please reduce the result by 11%

Orientation sensitivity



All graphs are indicative: performance in real life applications may vary.