

Overview

Frequency Band

860MHz-960MHz



Chip

Impinj M830

Antenna Dimensions

93*19 mm/3.66*0.748 inch

International Standard

ISO/IEC 18000-63 Type C

Applications

 Supply Chain management
 Logistics and Transportation
 WIP Tracking

This antenna is designed for logistics and industrial applications. It can achieve excellent performance even on highly di-electric surfaces. It is widely used in warehouse management, logistics and WIP tracking, etc.

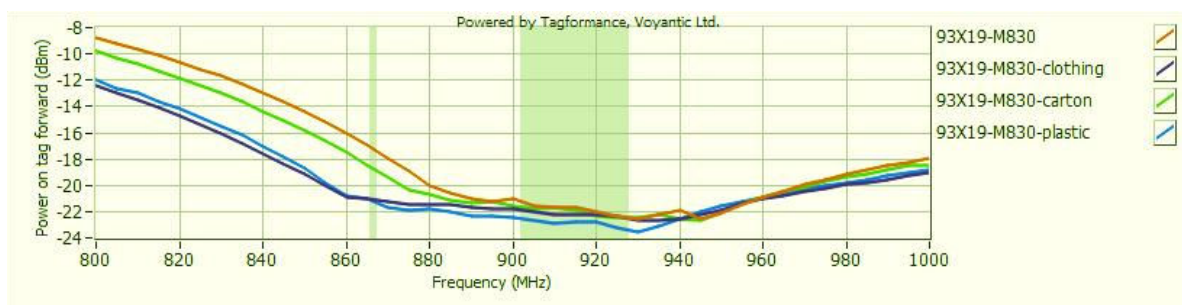
The M830 chip supports Gen2X and is fully compatible with GS1 UHF Gen2 and ISO/IEC 18000-63 standards. It enables rapid read/write operations and dense mode recognition. With its high-sensitivity design, the chip ensures stable long-range reading performance, making it perfect for high-frequency, large-volume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

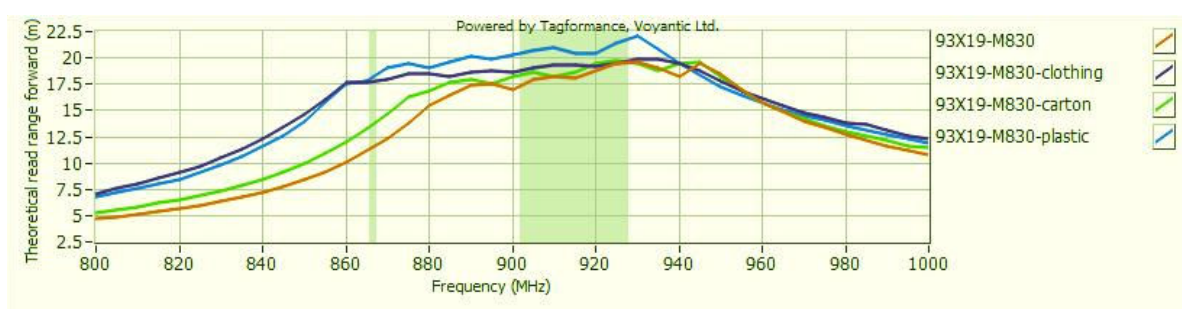
Technical Features

Model	OS31896	OS32331	TBD
Delivery Format	Dry Inlay	Wet Inlay	Label
EPC Memory	128Bits	128Bits	128Bits
User Memory	0Bits	0Bits	0Bits
Die-cut Dimension	-	96*22mm	96*22mm
Inlay Substrate	50um PET	50um PET	50um PET
Standard Pitch	25.4mm	25.4mm	25.4mm
Web Width	106mm	106mm	106mm
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



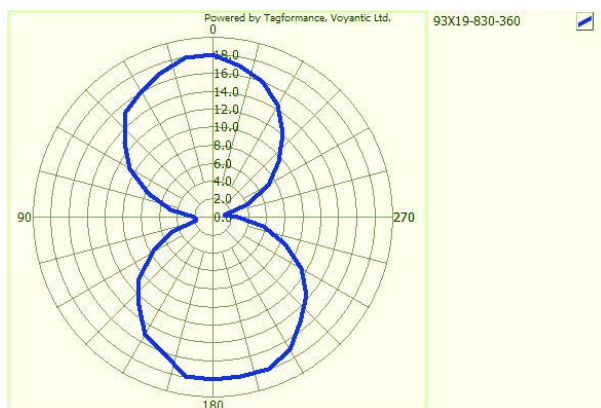
Read Range



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.