

Impinj Monza® 4QT RFID Silicone Laundry Tag

AZ-M4QT-LTWS-5512



Key Features

Operating Frequency
UHF 860-960MHz

Chip Type
Impinj Monza® 4QT

International Standard
ISO/IEC 18000-6C, EPC Global Gen2V2

EPC Memory
128-bit

TID Memory
96-bit

Operating Temperature
-40°C to +85°C

1. Product Overview

Impinj Monza® 4QT RFID silicone laundry tag is an electronic tag widely used in hotel linen and hospital linen management, with excellent RF performance and reliable product quality. It is very suitable for industries such as uniforms control, personnel inspection management, clothing inventory, and hotel, hospital and laundry industry management. In addition, the material and design of the tag have been verified for reliability and have been widely verified and used by well-known customers at home and abroad.

2. Product Parameters

2.1 Physical Characteristics

SKU	AZ-M4QT-LTWS-5512
Material	Silicone
Dimension	55×12×2.5mm
Weight	1.94g
Surface Color	White
Mounting Method	Put it inside the cloth bag and sew it



2.2 Technical Parameters

Operating Frequency	860-960MHz
Communication Protocol	ISO/IEC 18000-6C, EPC Global Gen2V2
Antenna Polarization Mode	Linear Polarization
Reading Distance	Handheld Reader (30dbi power): Over 7 meters

2.3 Testing

Drop Test	Passed 200 drops from 1 meter
Alcohol Test	Passed by cleaning with 95% alcohol
Gasoline Testing	Passed by cleaning with 92# gasoline
High and Low Temperature Alternation Test	-40°C to +150°C 7 times high and low temperature alternation cycle, a total of 2 consecutive days of testing passed
IP Rating	IP68

2.4 Chip Characteristics

Chip Manufacturer	Impinj®
Chip Type	Monza® 4QT
User Memory	512-bit
EPC Memory	128-bit
TID Memory	96-bit
Kill Password	32-bit
Read Sensitivity	-19.5 dBm
Write Sensitivity	-16.7 dBm
Self Adjust	Support
Memory Safeguard	Support
Block Write	16-bit
Permalock	One-time lock
Write Endurance	100,000 times
Data Retention Time	50 years

2.5 Additional Information

Operating Environment	-40°C to +85°C, 5% to 95%RH
Storage Environment	+18°C to +28°C, 40% to 60%RH (recommended)
Application	Uniforms control personnel inspection management clothing inventory and hotel hospital and laundry industry management, etc.



3. Size and Specification Drawing

