



5151 RFID ON METAL TAG

A long-life RFIF tag for indoor and outdoor applications

This product can be widely used in indoor and outdoor asset management. It has stable and reliable performance.

CHARACTERISTICS:

Compliance	EPC Class1 Gen2, ISO18000-6C
Frequency	902-928MHz or 865-868MHz
Chip	Impinj M781
Memory	EPC 128-bit, User 512-bit
Read and write	Yes
Data storage	50 years
Warranty	1 year
Material	ABS or strong weather-resistant polymer material
Size	51 x 51 x 12.6mm (2.01 x 2.01 x 0.49 in)
Operating Temperature	-25°C ~ +73°C (-77°F ~ +163.4°F)
Storage Temperature	-40°C ~ +73°C (-104°F ~ +163.4°F)
Humidity	5% ~ 95%
Installation Method	Installation with double-sided tape, super glue screws, or aluminum rivets
Weight	About 26 grams per piece
Package	Anti-static bag and carton packaging
Color	Black, other colors can be customized
Drop Test	Passed 200 drop tests at a height of 1 meter
Alcohol test	Passed the 95% alcohol concentration test
Gasoline test	Passed 92 gasoline wipe
Temperature cycle test	-40°C ~ +73°C (-104°F ~ +163.4°F), 7 cycles testing, 48 hours in total
RoHS	The material has been certified by SGS
IP Level	IP67
Read distance (fixed type reader)	Installed on metal surfaces (EIRP=4W): over 10m
Read distance (handheld reader)	Installed on metal surfaces(EIRP=4W): over 5m (R2000 RF Module+33dBi Power+4dBi Antenna in Outdoor Open Space Environments)(it may differ if use others)
Polarization	Liner
RF performance consistency test	100% tested and passed the Voyantic Tagformance test
Optional	Pre-writing, surface laser processing, surface UV pattern processing, surface silk screen or pad printing processing

ADVANTAGES:

Long reading range:

RF performance is superior to other electronic tags of the same or similar size on the market.

Excellent product consistency performance:

100% tested and passed the Voyantic .Tagformance test,better quality than other brands of products of the same product.

Good product bandwidth:

The product bandwidth is higher than similar products. The product's performance consistency can still be maintained after long-term use, and it is more resistant to contamination and harsh environments.

Large capacity:

User storage area is large capacity.

With self-tuning function:

Using Impinj M700 chips, the tag has a self-tuning function, which can adapt to the installation environment better than ordinary or similar tags.

Long life span:

Can be used indoors and outdoors, it has a long life span.

APPLICATIONS:

IT facility chassis management.
Metal container management.
Indoor and outdoor office equipment and facility management with metal casings.
Computer room facility management.
Personnel inspection management.
Fixed asset management.