



20030RFID ON METAL TAG

A cost-effective RFID tag used on metal and non-metal surfaces

This product can be widely used in indoor and outdoor asset management. It can achieve good RF performance when installed on metal and non-metal surfaces. The product performance is stable and reliable.

CHARACTERISTICS:

Compliance	EPC Class1 Gen2, ISO18000-6C
Frequency	902-928MHz or 865-868MHz
Chip	NXP Ucode 7M
Memory	EPC 96-bit, User 32-bit
Read and write	Yes
Data storage	50 years
Warranty	1 year
Material	ABS (Indoor application) /or strong weather-resistant polymer material (indoor or outdoor application)
Dimension	200mm x 30mm x 18mm(Mounting hole diameter 4.2mm, mounting hole center distance 186mm) (70874 x 1.181 x 0.878 in)
Operating Temperature	-25℃~ +70℃ (-77°F ~ +158°F)
Storage Temperature	-40℃~ +70℃ (-104°F ~ +158°F)
Humidity	5% ~ 95%
Installation	Screws, aluminum rivets, super glue, double-sided adhesive (not included, optional), plastic or metal cable ties
Weight	About 60 grams per piece
Package	Anti-static bag and carton packaging
Color	White (surface color can be customized for more than 5,000 pieces)
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℃ ~ +70℃ (-104°F ~ +158°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 surface: over 18 meters (4W EIRP, using Alien9900 fixed reader, other readers may have different reading distances)
Read distance (handheld reader)	On metal surface: up to 8m. Off metal surface: up to 5m (The reading distance of the handheld reader with R2000 RF module + 33dbi power + 4dBi antenna in open outdoor space. If other handheld devices are used, the reading distance may be different)
Polarization	Liner

ADVANTAGES:

Long reading range:

It has excellent RF performance on metal surface.

Excellent product consistency performance:

100% tested and passed the Voyantic Tagformance test, it is of better quality than similar products.

Good product bandwidth:

Comparing of similar products in the market, this product's bandwidth is higher than similar products, and also the product's performance consistency can still be maintained after long-term applications.

CHARACTERISTICS:

The surface can be pasted with printed label.

The surface can be silk-screened.

The surface can be laser-coded.

It can withstand weak acids and alkalis, and it is waterproof.

APPLICATIONS:

Storage racks and locomotive management.

Large and medium-sized metal container management.

Power boxes and power facilities management.

Indoor and outdoor equipment and facilities management.

Public facilities management such as street lights and traffic light poles.

Large and medium-sized fluid valves or pipeline management.