



Minimesh 45 x 18 mm H10

The Minimesh label from RICHRFID is a versatile, high-performance tag designed for a wide range of applications. It delivers reliable reading performance across supply chain management, inventory control, logistics, retail and apparel.

The product is complied with EPC global Class 1 Gen 2, ISO 9001 quality management and ISO 14001 environmental management standards, ensuring reliable, industry-grade performance for diverse use cases.

Equipped with the Alien Higgs 10 IC. Ideal for high volume applications, Higgs10 offers flexible EPC memory structure supporting nominal 96-bit EPC formats, plus a 32-bit expansion for longer EPC formats. Higgs 10 also features up to 32-bits for optional User Memory data. The Alien IC is compatible with the global GS1 UHF Gen2v2 standard ISO / IEC 18000-63.

By enabling Privacy Mode, the label can be used for high-value products, authenticity verification, and applications requiring enhanced privacy protection.

The label size 45 x 18 mm and performance make it especially well-suited for retail application.

Overview

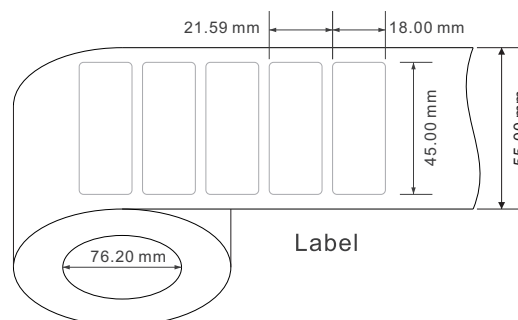
Frequency Band
UHF 860-960 MHz

Chip Type
Alien Higgs 10

Dimensions
45 x 18 mm / 1.77 x 0.71 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

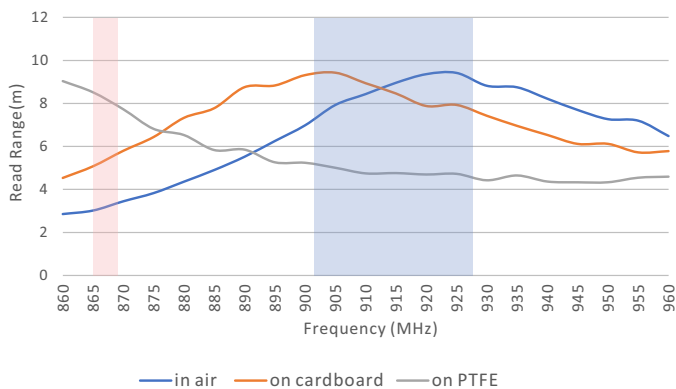
Application
Retail & Apparel
Asset tracking
Smart packaging
Authentication



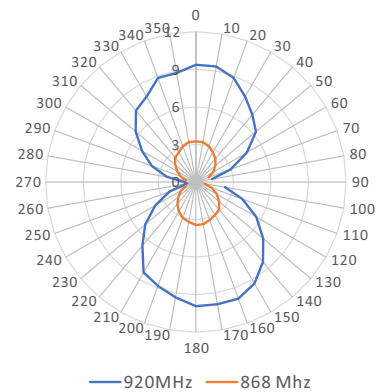
Technical Features

Model	RC5091
RFID Features	
Frequency	860-960 MHz
Application	Non metal
Chip Type	Alien Higgs 10
EPC	Up to 128 bits (nominally 96 bits)
User	Up to 32 bits (with 96 bits EPC)
TID	96 bits
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	45 x 18 mm / 1.77 x 0.71 in
Material	Coated Paper
Adhesive	Hot Melt
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Storage Condition	20±5°C, 50±10% RH, Store away from sunlight
Other Features	
Installation	Adhesive on clean & dry surface
Customization	Printing, Encoding, Designing, etc.
Package	2,500 pcs / roll, 4 rolls / box

Read Range(2W ERP)



Radiation Pattern



PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.

RICHRFID

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DISCLAIMER

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