



Mesh H10 54 x 35 mm

The Mesh H10 from RICHRFID is a versatile, high-performance RFID label designed for a wide range of applications. It delivers reliable reading performance across apparel and fashion, library and archives, automotive, and warehouse logistics.

The product complies with EPCglobal Class 1 Gen 2 and is manufactured under 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, it is ideal for high-volume RFID applications. Higgs 10 offers a flexible EPC memory structure supporting nominal 96-bit EPC formats, with expansion up to 128 bits for longer EPC formats. It also features up to 32 bits of optional User Memory data and a 48-bit unique TID for reliable item identification. The Alien IC is compatible with the global Gs1 UHF Gen2 standard, standardized as ISO/IEC 18000-63.

With access and kill password functionality, the label supports secure data management and permanent tag deactivation when required in retail environments.

With a label size of 54 x 35 mm, it delivers stable RFID performance and is especially well-suited for retail applications.

Overview

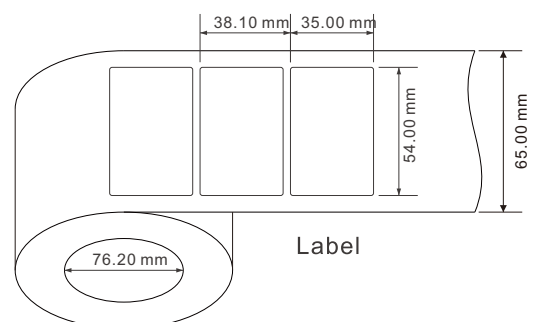
Frequency Band
UHF 860-960 MHz

Chip Type
Alien Higgs 10

Dimensions
54 x 35 mm / 2.13 x 1.38 in

Air Interface Protocol
ISO/IEC 18000-63 Type C

Application
Retail & Apparel
Asset tracking
Smart packaging
Authentication

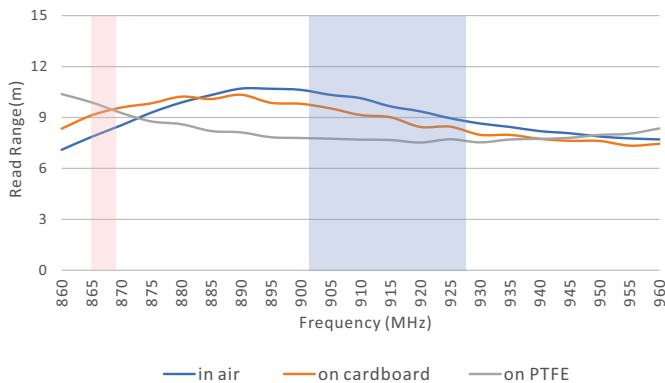


Technical Features

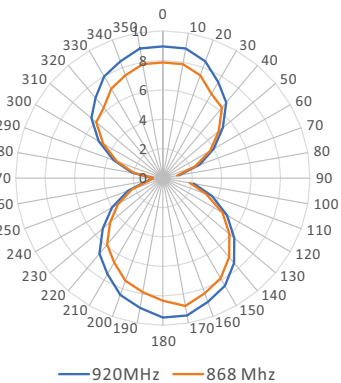


Model	RC5063
RFID Features	
Air Interface Protocol	UHF EPC Class 1 Gen 2, ISO 18000-63 Type C
Frequency	860-960 MHz
Application	Non metal
Chip Type	Alien Higgs 10
EPC	Up to 128 bits (nominally 96 bits)
User	Up to 32 bits (with 96 bits EPC)
TID	96 bits
Data Storage	> 10 years
Re-write	100,000 times
Physical Features	
Dimension	54 x 35 mm / 2.13 x 1.38 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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