



Alien® Higgs® 9 UHF RFID Label

SKU:	RS-H9-CP-9812
Chip Type:	Alien® Higgs® 9
Frequency:	UHF 860-960 MHz
Read Range:	Up to 13 m
EPC Memory:	Up to 496 bits(Nominally 96 bits)
User Memory:	Up to 688 bits
TID Memory:	48 bits
Protocol:	ISO/IEC 18000-63, EPC Class 1 Gen 2
Industry:	Retail, Logistics, Events, Catering, Aviation, Automotive
Applications:	Asset Tracking, Inventory, Document Management, Library, Warehouse

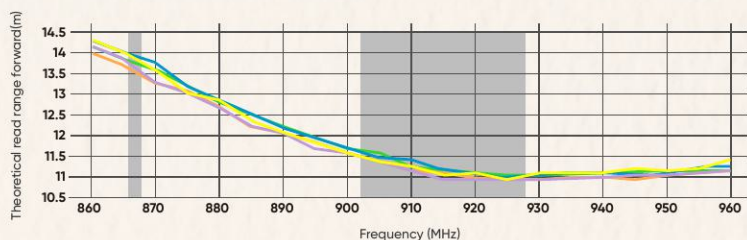


Boost your business efficiency with the 98×12 mm UHF RFID Label featuring the Alien® Higgs® 9 chip. Designed with a slim, space-saving form factor, it delivers powerful read performance, high data accuracy, and fast processing speeds, even in high-volume environments. Fully compliant with ISO/IEC 18000-63 (EPC Class 1 Gen 2), it ensures seamless global compatibility.

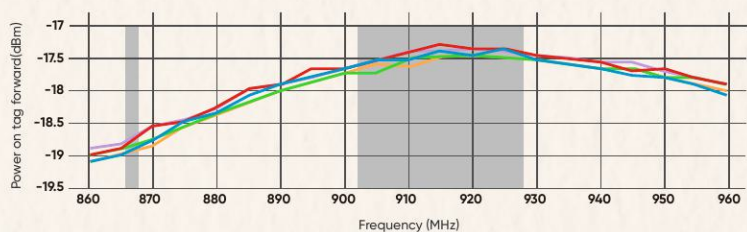
Ideal for retail, apparel, logistics, and asset management, this label combines long-range readability and anti-cloning security with a compact design. Whether enhancing inventory visibility, protecting brand value, or streamlining supply chain operations, it offers a smart, reliable, and future-ready solution for modern enterprises.

Reading Performance

Reading Range Under Different Frequency



Tag Power Under Different Frequency



Physical Information

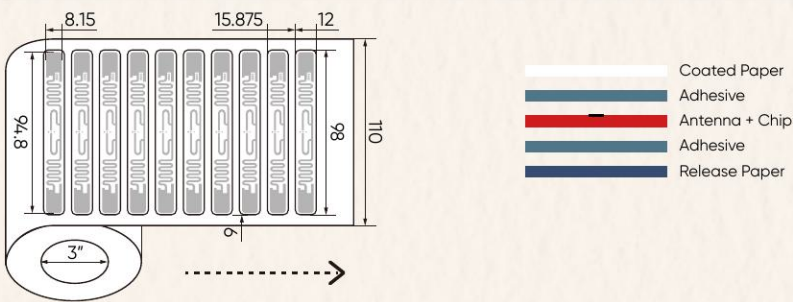
Material	Coated Paper
Label Size	98×12 mm
Antenna Size	94.8×8.15 mm
Operating Environment	-20°C~+50°C, 20%~80% RH
Storage Environment	+18°C~+28°C, 40%~60% RH
Mounting Method	Stick
Surface	Paper Carton, Plastic, Wood
Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

Technical Information

Operating Frequency	860~960MHz
Communication Protocol	ISO/IEC 18000-63, EPC Class 1 Gen 2
Read Range	Up to 13 m
Chip Type	Alien® Higgs® 9
EPC Memory	Up to 496 bits(Nominally 96 bits)
User Memory	Up to 688 bits
TID Memory	48 bits
NVM/RAM Memory	1024 bits
Dynamic Authentication™ Anti-loning/ Anti-Counterfeit Technology	Support
QuickWrite™/BlastWrite™	Support
Security Features	32 bits Access and Kill Passwords

Packing Information	Packing Format	Packed in roll, vacuummed packing in ESD bag.
	Roll OD	Max. 114 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000 pcs/roll, weight per roll 0.531 kg

Label Dimensions
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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