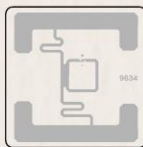




Alien® Higgs® 9 UHF RFID Label

SKU:	RS-H9-PP-5050
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



Unlock the next level of precision and efficiency with our 50×50 mm UHF RFID Label powered by Alien® Higgs® 9. Engineered for fast reads, extended range, and unmatched reliability, this label ensures every item is identified with accuracy, even in high-volume, demanding environments. Fully compliant with ISO/IEC 18000-63 (EPC Class 1 Gen 2), it guarantees seamless integration with global RFID systems.

Designed for apparel, retail, logistics, and industrial applications, this versatile label combines a compact form with powerful performance. Its anti-cloning capability and flexible memory not only protect your brand but also strengthen inventory visibility across the supply chain. Easy to deploy and highly durable, it's the perfect choice for businesses looking to streamline operations, fight counterfeiting, and stay ahead of the competition.

Physical Information	Material	PP Synthetic Paper
	Label Size	50×50 mm
	Antenna Size	46×44 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-Cloning/ 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. 185 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000 pcs/roll, weight per roll 0.875 kg

Label Dimensions

(Unit: mm)

46±0.5

52.07±0.5

50±0.5

44±0.5

50±0.5

60±1

3"

PP Synthetic Paper

Adhesive

Antenna + Chip

Adhesive

Release Paper

● **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.
 ● **Product Updates and Revisions** rfidbridge.com may change products, specs, or services at any time without prior notice.
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