



Alien® Higgs® 9 UHF RFID Label

SKU:	RS-H9-PP-5434
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



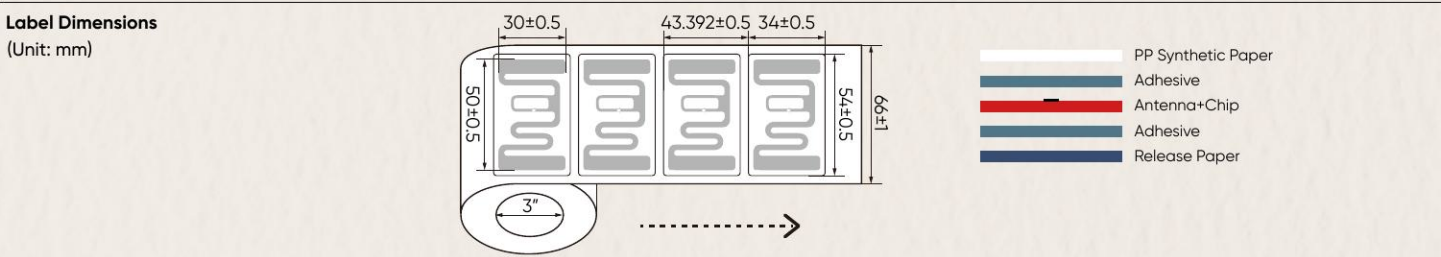
The 54×34 mm UHF RFID Label powered by the Alien® Higgs® 9 chip delivers outstanding performance for item-level tracking and supply chain management. Fully compliant with ISO/IEC 18000-63 (EPC Class 1 Gen 2) standards, it offers high sensitivity, fast reading, and robust anti-collision performance. With optimized memory architecture and excellent data reliability, it supports large-scale deployments where accuracy and efficiency are critical.

Designed for retail, logistics, apparel, and asset management, this UHF RFID label ensures reliable identification and traceability across diverse applications. Its compact 54×34 mm format provides a balance between discreet labeling and powerful read range, while the adhesive backing enables easy integration into packaging and products—helping businesses achieve improved inventory visibility, anti-counterfeiting protection, and enhanced operational efficiency.

Physical Information	Material	PP Synthetic Paper
	Label Size	54×34 mm
	Antenna Size	50×30 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, vacuumed packing in ESD bag.
	Roll OD	Max. 250 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	2000 pcs/roll, weight per roll 1.366 kg



● **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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