



SKU:	RS-H10-CP-4518
Chip Type:	Alien® Higgs® 10
Frequency:	UHF 860-960 MHz
EPC Memory:	128 bits
User Memory:	32 bits
Protocol:	ISO/IEC 18000-63, EPC Class 1 Gen 2
Industry:	Automation, Retail, Logistics
Applications:	High-Volume Retail, Supply Chain, Assets Tracking



Alien® Higgs® 10 UHF RFID Label

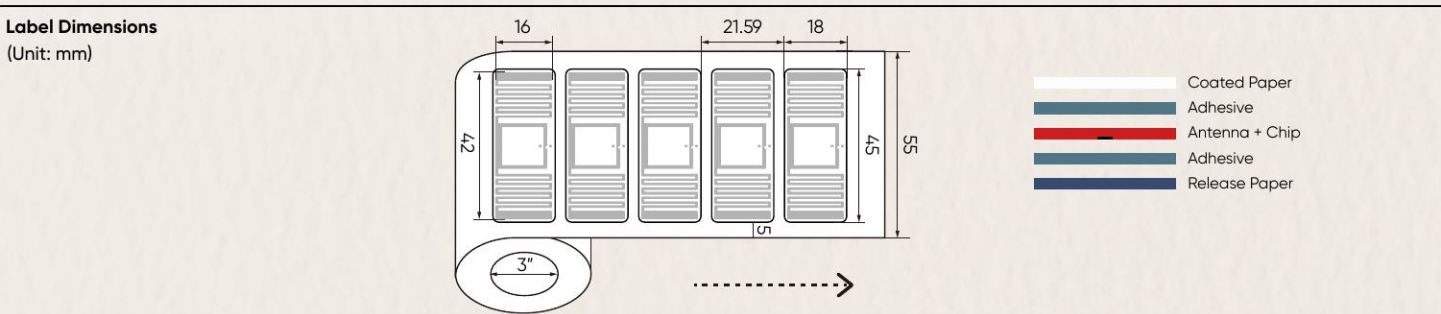
The 45×18 mm UHF RFID label compliant with the Alien® Higgs® 10 chip boost high-quality performance in backscatter high-volume management. Fully compliant with ISO/IEC 18000-63 and EPC Class 1 Gen 2, this label can be widely used in logistics, supply chain and other high-sensitivity RFID environment. Additionally, the advanced chip provides with more flexibility to the EPC memory and additional data store function.

The UHF RFID label further ensures reliable data retention with Sentinel™ memory, protecting against single-bit errors and enhancing long-term stability. Its superior read and write sensitivity allow for extended read ranges and reduced misreads, even in dense environments. With robust durability and compact size, it is an ideal choice for scalable deployments in retail, automotive, and asset management applications where both performance and efficiency are critical.

Physical Information	Material	Coated Paper
	Label Size	45×18 mm
	Antenna Size	42×16 mm
	Operating Environment	Label attach: +10°C~+40°C, 20~80% RH After label attached: -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
	Chip Type	Alien® Higgs® 10
	EPC Memory	128 bits
	User Memory	32 bits
	Common Criteria Certification	WEEE compliant

Packing Information	Packing Format	Packed in roll, vacuumed packing in ESD bag.
	Roll OD	Max. 203 mm
	Core ID	3 inch(76.2 ± 0.50 mm)
	Packing Quantity	1000 pcs/roll, per roll 0.4 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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