

Long Range Alien H3 UHF RFID Card-spec sheet



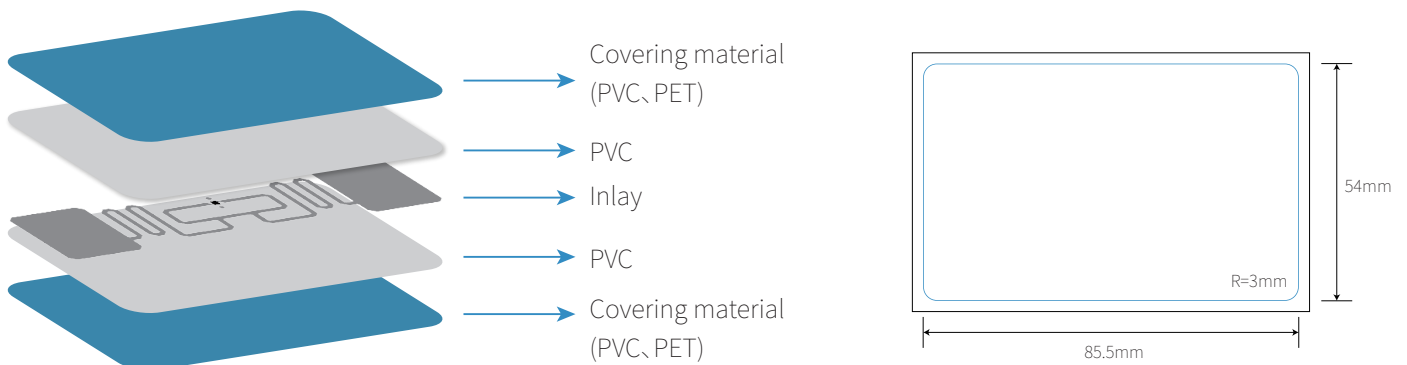
Alien H3 has more storage capacity, including a 96-480 bit EPC and a 512-bit user storage area, which can provide enough flexibility for local storage or large-bit EPC. It uses a unique “fingerprint” that cannot be digital cloned, increasing the security of the chip and actually eliminating the clone label in anti-counterfeiting and high-priced product applications.

Even at extremely low power, Alien H3 UHF Card can still provide sufficient reflected signal to read tag over a wider range. This makes it widely used in high-grade parking lot management, highway system, supply chain management, logistics distribution, product certification, fixed assets inventory and tracking, single-grade labeling, etc.

Parameters

Thickness	0.30mm,0.50mm,0.60mm,0.76mm, 0.84mm... on your demand	Printing Options	Full color offset printing, Silk-screen printing, etc.	Working Temperature	-15~85°C
Material	High quality PVC, PET or ABS	Size	85.5mm*54mm*0.76±0.02mm(CR80) or on your demand	Data Retention Time	10 years
Chip	Alien H3	Surfaces	Frosted, Glossy, Matte Finishing, etc	Crafts Available	1. glossy, matte, frosted laminated/finished, UV varnish 2. magnetic strip(Loco:300oe,hico:2750oe/4000oe) 3. signature panel and scratch panel 4. QR code, barcode in different types (39/EAN 13/EAN 128...) 5. hot stamping gold/silver color
Frequency	860-960MHz	Operating Distance	up to 100 mm (depending on various parameters)		
Protocol	ISO18000-6C	Write Endurance	100000 times		

Dimensional Diagram



Available chips

Available 125KHz Chip

Common Chip Types	Protocol	Capacity	Anti-collision	Function
TK4100	/	64 bits	No	Read Only
EM4200	/	128 bits	No	Read Only
EM4305	/	512 bits	No	Read/Write
T5577	/	330 bits	No	Read/Write

Available 13.56MHz Chip

Common Chip Types	Protocol	Capacity	Anti-collision	Function
NTAG® 213	ISO14443A	180 byte	No	Read/Write
NTAG® 215	ISO14443A	540 byte	No	Read/Write
NTAG® 216	ISO14443A	924 byte	No	Read/Write
MIFARE® Classic® 1K	ISO14443A	1 KB	No	Read/Write
MIFARE® Classic® 4K	ISO14443A	4 KB	No	Read/Write
MIFARE® Plus® S 1K	ISO14443A	2 KB/4 KB	No	Read/Write
MIFARE Ultralight® EV1	ISO14443A	80 byte	No	Read/Write
MIFARE Ultralight® C	ISO14443A	192 byte	No	Read/Write
ICODE® SLIX	ISO15693	1024 bit	Yes	Read/Write

Available 860-960MHz Chip

Common Chip Types	Protocol	Capacity	Anti-collision	Function
Alien H3	ISO18000-6C	512 bit	Yes	Read/Write

Other chips are also available.

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Feature

- ▶ 800-Bits of Nonvolatile Memory (1) 96-EPC Bits, extensible to 496 Bits (2) 512 User Bits
(3) 64 Bit Unique TID (4) 32 Bit Access and Kill Passwords
- ▶ Pre-Programmed with a unique, unalterable 64-bit serial number
- ▶ User Memory can be managed in 64-bit blocks, which can be permanently locked and protected with access passwords.
- ▶ Supports all Mandatory and Optional Commands including Item Level Commands
- ▶ Custom Commands for high speed programming; 30 tags per second for the 96-bit EPC number
- ▶ Low power operation for both read and program
- ▶ Exceptional operating range, up to 10m with appropriate antenna

Packaging and shipping



Volume	Chip Card: 200pcs cards with chips in one box, 2000/3000pcs per carton Common Card: 250pcs per box, 2500/3000pcs per carton Inkjet White Card: 230pcs per box, 3450pcs per carton
Weight	Chip Card: 6.5KG for 1000pcs Common Card: 6.0KG for 1000pcs
Carton Size	49*23*16CM (for 2000/2500pcs) 49*23*20CM (for 3000pcs) Special demands for packing available.
Delivery Time	Generally, 3 days for DHL/FedEx/UPS, 10 days for air shipping,18 days for sea shipping.
Shipping	DHL/TNT/FEDEX /UPS ,By Air / Sea or as required