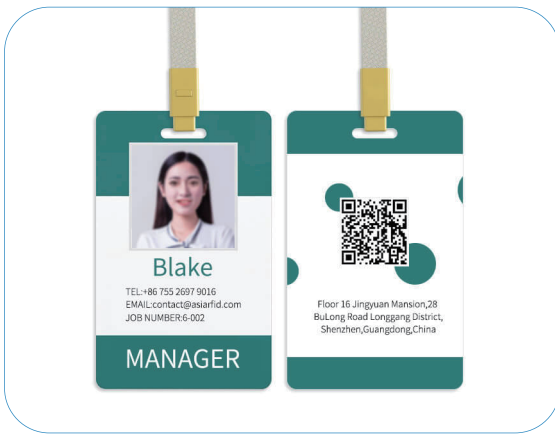


RFID ID Badges- spec sheet



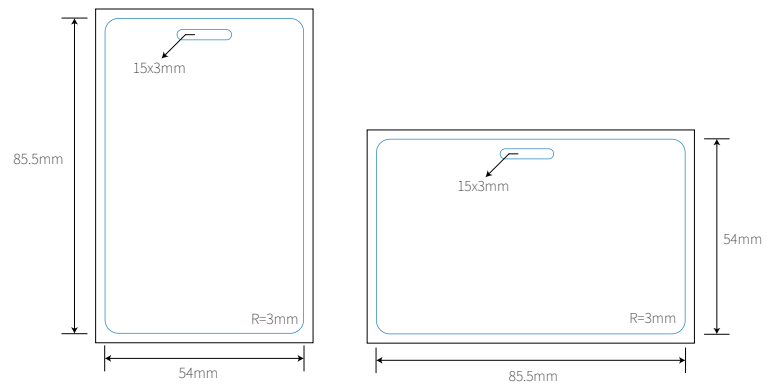
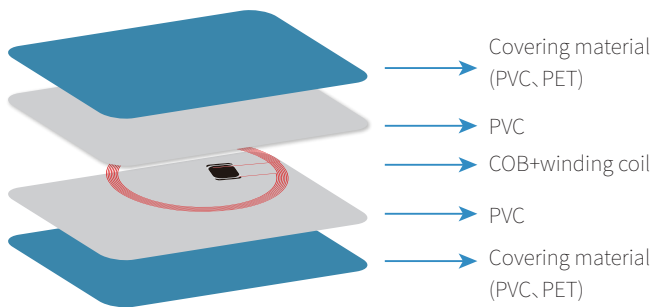
RFID has become the preferred ID badge technology for various types of data collection systems (door access, time clocks, point of sale, and computer sign-on).

Other than the non-standard insertion smart cards, contactless RFID offers the highest level of security granted by an ID badge and is not easily duplicated. RFID card readers last longer than those using magnetic stripe or barcode technology since they do not have exposed read heads or moving parts.

Parameters

Item	rfid id badges	Color	black, yellow, blue, etc	Working Temperature	-25°C to 65°C
Material	PVC,PET	Size	85.5*54 or custom	Data Retention Time	10 years
Chip	LF chips/ HF chips	Memory	Depend on chips	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.
Frequency	125 kHz or 13.56MHz	Reading Distance	0-10m	Crafts Available	Logo or number printing, Bar code, QR code, etc.
Protocol	ISO14443A	Write Endurance	100000 times		

Dimensional Diagram



Available chips

LF 125kHz Chips

Chip Name	Protocol	Capacity	Frequency
TK4100	ISO 11784/11785	64 bits	125 kHz
EM4200	ISO 11784/11785	128 bits	125 kHz
EM4305	ISO 11784/11785	512 bits	125 kHz
T5577	ISO 11784/11785	330 bits	125 kHz

HF 13.56 MHz Chips

Chip Name	Protocol	Capacity	Frequency
Ntag213	ISO14443A	180 byte	13.56 MHz
Ntag215	ISO14443A	540 byte	13.56 MHz
Ntag216	ISO14443A	924 byte	13.56 MHz
MIFARE Classic 1K	ISO14443A	1 KB	13.56 MHz
MIFARE Classic 4K	ISO14443A	4 KB	13.56 MHz
MIFARE Ultralight EV1	ISO14443A	80 byte	13.56 MHz
MIFARE Ultralight C	ISO14443A	192 byte	13.56 MHz
ICODE SLIX	ISO15693	1024 bits	13.56 MHz

860~960 MHz UHF Chips

Chip Name	Protocol	Capacity	Frequency
Alien H3	ISO18000-6C	512 bits	860~960 MHz
Impinj Monza 4	ISO18000-6C	96 bits	860~960 MHz
UCODE G2iL	EPCglobal Class1Gen2	128 bits	860~960 MHz

Feature

- ▶ Light, durable, and low cost
- ▶ Available with stretch rope or key chain, easy to carry
- ▶ Operating range up to 100mm (depending on various parameters)
- ▶ Access control management, membership management, parking management, child pickup, cashless payment, social interaction, etc.
- ▶ Colors, sizes, and crafts are available
- ▶ LF chips, HF chips, and UHF chips are available