

PROXIMITY CARDS



LF

High
Grade PVCWater
ResistantScratch
Proof

Low Cost

ID Tech proximity cards, also known as LF cards, are widely used in access control and security applications. These contactless, read-only cards have a 125 KHz frequency and thick PVC layers with embedded antennas. They record the serial number when in contact with a proximity reader, making them ideal for attendance tracking and authorized access. These customizable cards offer a cost-effective solution, allowing for programming of unique IDs, printing of photos, logos, text, and QR codes. Glossy or matte finishes, along with embossing and hologram effects, enhance their appearance and security features.

KEY FEATURES

- A full-color process on one or both sides
- Thermal printing of text, name, PIN numbers or automated lists may be printed directly on each piece.
- Embossing with gold, silver or black tipping (other colors available for 5k or more).
- Signature and custom signature panels are available.
- Scratch -off overlay panels for special promotions and contests.
- Barcoding in multiple formats available.
- Multiple finishes like Matte, frosted or UV coated.
- Foil stamping in gold or silver for a brilliant attraction.
- Metallic colors in gold or silver for a sparkling look.

PHYSICAL PARAMETERS

Dimensions	86mm x 54mm
Encasement / Material	PVC, PET, PETG and PC Material
Weight	10 g
Surface Finish	Matte, Frosted or UV Coated
Color	Blank White, Peel-off layers / Poly Bag packing
Thickness	0.76 mm / 30 MIL, Variations Available
Card Lifespan	Up to 10 years
Package	200 Qty in 1 box
Weight	2 kg per box

Printing Yes available for both side

Lamination Double side coated

RF PARAMETERS

Working Frequency 125 KHz (Low Frequency)

Reading Range 2 mm (Thin Proximity), 5 mm (clamshell Thick Proximity)

Data Retention Up to 10 Years

Anti-Collision Yes

ENVIRONMENTAL SPECIFICATION

Operating Temperature -25 to +70 degree Celsius

Storage Temperature -25 to +50 degree Celsius

ORDER INFORMATION

Part No. IDT.TPC.N

IDT.TPC.WN

APPLICATION AREA



Transport



Education



Attendance
Management



Parking
Management



Access Control

RFID Chip Memory Sizes – LF (125 KHz)

Frequency	Chip Type	Memory
LF (125 kHz)	EM4100 / TK4100	64-bit UID (Read-Only)
	EM4200	128-bit UID (Read-Only)

LF cards with EM4100, TK4100, and EM4200 chips are readily available in stock. Other LF chip options like T5577 and Q5 can be provided on order, subject to availability and MOQ.



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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