



Prelaminated inlays

LF



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A range of applications.

LUX-IDent's prepressed inlays are designed specifically with the card manufacturer in mind.

The inlay is engineered to remove process difficulties and offer an exceptional product. We make the card manufacturer's job easier without sacrificing quality.

Prelaminated inlays are suitable for use in the production of ISO standard cards. LUX-IDent uses a proprietary manufacturing process to produce its prelaminated inlays. Only coil winding technology is used for this type of inlays.

Our inlays are very robust and boast unequalled torsion/bending characteristics, extreme durability and optimized read/write performance. The inlays have a completely flat finish and bring numerous benefits to card manufacturers.

Our prelaminated inlay is essentially a semi-finished product, so that the card manufacturer merely needs to collate his printed sheets with the inlay and laminate the "sandwich".

FEATURES

- Very reliable and robust plastic package
- High reading distance optimized to each chip
- Materials: PVC, PETG, PC
- Colour: white or transparent
- Possibility of combining two and more different chip technologies in one prelaminated sheet
- Different sheet formats are available 1×5, 2×5, 3×6, 3×7, 3×8, 3×10, 4×10 up to 640×520 mm, others upon request

Based on specific customer requests, our antenna design allows us to position an antenna on the sheet layout along the embedding of contact chip module without any interference from the RFID antenna. This is what we call the hybrid card, which combines contactless and contact chip technology into one card.

EXAMPLE OF APPLICATIONS

- physical access
- time attendance systems

AVAILABLE CHIP TECHNOLOGIES

Manufacturer frequency	Chip type
EM Microelectronic	
LF 125/134.2 kHz	EM4102, EM4200, EM4305, EM4450
NXP	
LF 125/134.2 kHz	Hitag® 1, Hitag® 2, Hitag® S 256bit, Hitag® S 2048bit
Microchip – Atmel	
LF 125/134.2 kHz	ATA5575M1, ATA5575M2, ATA5577, Q5

Other ICs are available upon request.

