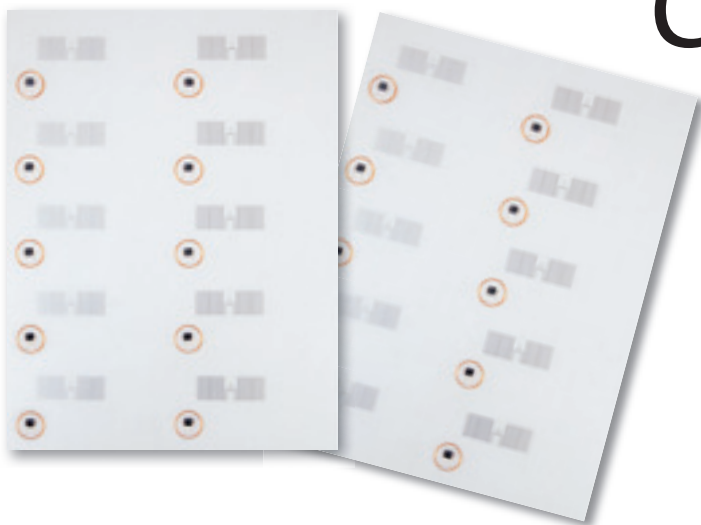


Prelaminated inlays Combi UHF



LUX-IDent's products

LUX-IDent s.r.o., Tovární 368, 563 01 Lanškroun, Czech Republic
Tel.: +420 465 352 500, Fax: +420 465 352 501, e-mail: sales@lux-ident.com
www.lux-ident.com



A range of applications.

More and more clients are asking us to deliver combi prelaminated sheet which combines “traditional” LF (Low Frequency) and HF (High Frequency) chip technologies with UHF (Ultra High Frequency). A typical example of such a solution is a combination of physical access solution (based on HF or LF) with parking application based on UHF, allowing for a convenient reading distance for “hands free” when entering the parking area. This type of prelaminated sheet is designed in very close co-operation with our client. We recommend the preparation of samples of requested combination and only after testing these do we subsequently start the production batch. We are aware that for such combinations smaller batches are typical rather than large quantities. With this in mind, our production capability starts from a few hundred pieces rising to any quantity as requested.

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

Our antenna design allows us (based on specific customer requests) 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
- parking, etc.

Available chip technologies

Manufacturer frequency	Chip type
EM Microelectronic	
LF 125 kHz / 134.2 kHz	EM4102, EM4305, EM4450
NXP	
LF 125 kHz / 134.2 kHz	Hitag 1, Hitag 2, Hitag S 256bit, Hitag S 2048bit
HF 13.56 MHz	Mifare: Ultralight, Ultralight C, Mini, Classic 1K, Classic 4K, Desfire 4K V.06, Desfire 2K EV1, Desfire 4K EV1, Desfire 8K EV1, Plus S 2K, Plus S 4K, Plus X 2K, Plus X 4K I-Code: SL1, SLI-L, SLI, SLI-S SmartMX, JCOP
UHF 840–960 MHz	UCODE G2XL, UCODE G2XM
Infineon	
HF 13.56 MHz	Mifare SLE66R35 1K, My-D: SRF55V02P, SRF55V10P, NFC SLE66R16P, NFC SLE66R32P
Atmel	
LF 125 kHz / 134.2 kHz	ATA5575M1, ATA5575M2, ATA5577, Q5
Inside Secure	
HF 13.56 MHz	Picopass 2K, 32K
Legic	
HF 13.56 MHz	Prime MIM256, Prime MIM1024 Advant: ATC128, ATC256, ATC1024, ATC2048, ATC4096

Other ICs are available upon request.