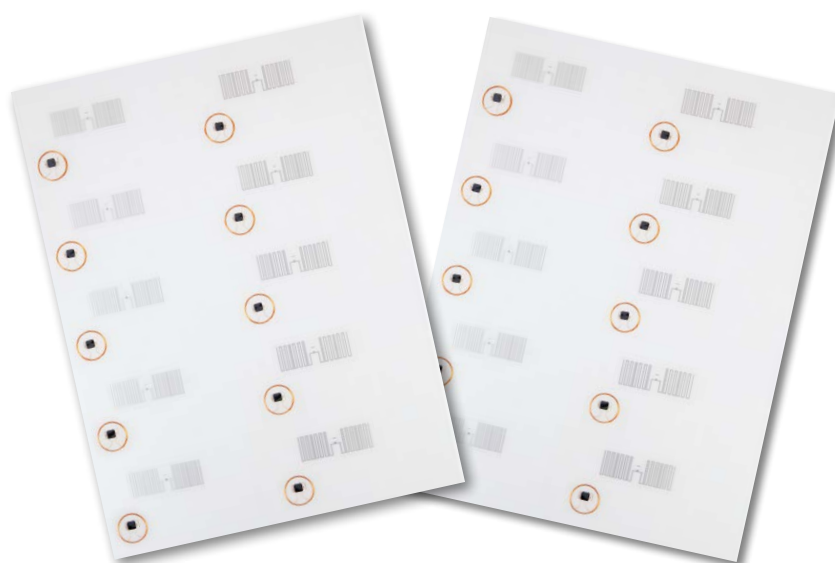




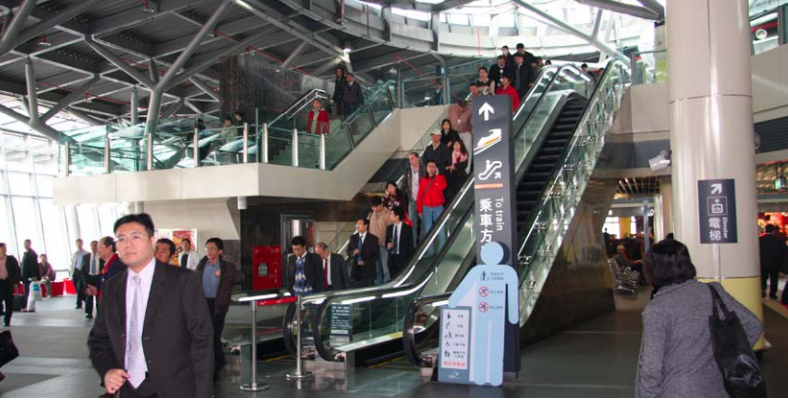
Prelaminated inlays

Combi UHF



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A range of applications.

A prelaminated sheet which combines “traditional” LF and HF chip technologies with UHF [Ultra High Frequency] technology.

This type of prelaminated sheet is designed in very close co-operation with our client. Testing of samples with requested combination is recommended before we start producing the whole batch.

We are aware that smaller batches are often required for such combinations, which is why our production capability starts from a few hundred pieces rising to any quantity as requested.

A typical example of the “Combi UHF” solution is a combination of physical access (based on HF or LF) with parking application based on UHF, allowing for a convenient access when entering the parking area without having to handle the card and tap it on the reader.

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
- parking, etc.

AVAILABLE CHIP TECHNOLOGIES

| Manufacturer frequency | Chip type |
|-------------------------|-----------|
| Impinj | |
| UHF 868–915 MHz | Monza |
| Alien Technology | |
| UHF 868–915 MHz | Higgs |

Other ICs are available upon request.