



LINXENS

CONNECTING YOU TO SUCCESS

DUAL INTERFACE INLAYS

Highest Durability and Lifetime



Our DUAL INTERFACE INLAYS provide card manufacturers with a durable and convenient solution for the manufacture of finished dual-interface cards. DUAL INTERFACE INLAYS are offered in standard PRELAM® and PROCOIL sheet formats.

PRELAM® stands for “pre-laminated”. This means fusing together of single layers under pressure and high temperature in special lamination process to seal the antenna into a homogeneous sheet. PRELAM® structure is ideal for marking pre-printed cards with many security features using standard card processes.

PROCOIL offers an alternative sheet solution without an additional lamination process. Based on our patented wire-embedding technology the antenna is embedded onto the sheet and available with wired or copper pads as contact points for dual interface module. It ideally suits standard card production processes with additional security features and offers different sheet colors upon request.

Size and shape of the antenna can be adapted to customized requirements as well as sheet formats and layouts for PRELAM® and PROCOIL.

Our Production for DUAL INTERFACE INLAYS is compliant with MasterCard’s Card Quality Management (CQM) requirements.

Overview

Operating Frequency
13.56 MHz

Operating Temperature
-25°C to +50°C

Material
PVC, PC, PET-G

International Standards

- ISO 14443

Application Areas

- Government / eID
- ePayment
- Access

Benefits

- Customized formats available
- Robust antenna-chip-module pads interconnection

DUAL INTERFACE INLAYS

Highest Durability and Lifetime

Antenna	Thickness	Sheet format	Available IC
ID1, ID1/2, ID2/3	150 - 300 μ m	max. 580 x 705 mm	Infineon NXP

Other thicknesses are available upon request