



Dual Frequency PRELAM®

Higher efficiency, diverse functionality

Linxens Dual Frequency PRELAM® is ideally suited to hybrid applications such as access control, accommodating the growing demand for RFID transponders with various read-range requirements in the standard card format.

Benefits of Dual Frequency PRELAM®

- Hybrid combination for LF/HF and HF/UHF frequencies available
- Optimized tuning of the antennas
- Highest mechanical durability and longest lifetime

PRELAM® stands for "pre-laminated". This means the fusing together of single layers under pressure and high temperature in a special lamination process to seal the antenna within a homogeneous

sheet. The PRELAM® structure is ideal for making pre-printed cards with many security features using standard card manufacturing processes.

Available in PVC, PC, PET-G or Teslin® and with a range of chipsets, the Linxens Dual Frequency PRELAM® complies with all regulatory standards applicable to the respective frequencies.

Dimensions	Thickness*	Operating Temperature	Available IC
From 3 x 6 up Max. 580 x 705 mm	400 µm ± 30 µm	-25°C to +50°C	Atmel EM Marin Infineon LEGIC NXP Samsung Sony STMicroelectronics
From 3 x 6 up Max. 580 x 705 mm	400 µm ± 30 µm	-25°C to +50°C	Impinj Infineon NXP

Other thicknesses are available upon request.
Other chip types are available upon request.

RFID

Overview

Operating Frequency

- 125 kHz / 13.56 MHz
- 13.56 MHz / 860-960 MHz

Operating Temperature

- -25°C to +50°C

Material

- PVC, PC, PET-G, Teslin®

International Standards

- ISO 14443
- ISO 15693
- ISO 18000-6C

Application Area

- Access Control
- Transport
- Contactless Payment
- Hospitality, Leisure & Entertainment

Options

- Initialization / customized programming of data