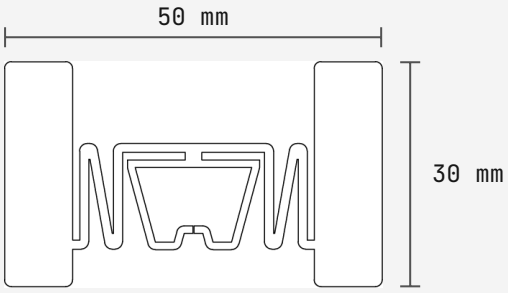
NXP UCODE 9

UHF RFID Inlay 50 × 30 mm



Antenna pattern drawn at the nominal inlay size when printed at 100 %.

READING DISTANCE

6 to 9 m

FREQUENCY

860 to 960 MHz (Global)

EPC MEMORY

96 bits

AVAILABLE FORMATS

Dry inlay	50 × 30 mm
Wet inlay	50 × 30 mm
Sticker label	54 × 34, 57 × 38, 87 × 41 mm (label sizes)

The label must be larger than the inlay inside.

APPLICATIONS

- Retail & Apparel Tagging
- Inventory Management
- Supply Chain & Logistics
- Asset Tracking
- Access Control
- Document Tracking

TECHNICAL SPECIFICATIONS

Chip	NXP UCODE 9
Origin	Made in Vietnam
Material	PET, Aluminum on PET
Protocol	EPCglobal Gen2v2.1 / ISO 18000-6C
EPC Memory	96 bits
Frequency	860 to 960 MHz (Global)
TID Memory	96 bits (incl. 48-bit unique serial)

User Memory	None
Data Retention	20 years (@ 55°C)
Write Endurance	100,000 cycles
Read Sensitivity	−24 dBm
Reading Distance	6 to 9 m
Write Sensitivity	−22 dBm