

U8 (NXP)

UHF PVC CARD

HIGH PERFORMANCE UHF RFID CARDS
FOR LONG RANGE IDENTIFICATION

RFDigi U8 (NXP) UHF PVC Cards are powered by the NXP UCODE® 8 chip for exceptional read range, fast performance and reliable identification.

Ideal for logistics, asset tracking, access control and inventory management, these cards are built for demanding environments and large-scale operations.

Engineered for durability and efficiency, U8 UHF cards deliver the performance and reliability your business needs.



NXP UCODE 8
CHIP

Powered by the
advanced NXP
UCODE 8 chip



UHF RFID
ENABLED

Long range
identification
with fast read
performance



DURABLE &
LONG LASTING

Made from premium
PVC for everyday
use and durability



FULL COLOUR
CUSTOMISATION

High quality full
colour printing
to showcase
your brand



VERSATILE
APPLICATIONS

Ideal for logistics,
asset tracking,
access control
and more

KEY FEATURES

- ✓ Equipped with NXP UCODE 8 chip
 - ✓ ISO 18000-6C (EPC Gen2) compliant
 - ✓ Global UHF frequency support (840–960 MHz)
 - ✓ Up to 8 meters read range (depending on reader and environment)
 - ✓ Fast read/write performance
 - ✓ High data integrity and reliability
- ✓ EPC memory: 128 bits
 - ✓ User memory: 0 bits
 - ✓ TID memory: 96 bits
 - ✓ Full colour printing (CMYK)
 - ✓ Single-sided or double-sided printing available
 - ✓ CR80 standard size (85.6 x 54 mm)
 - ✓ Ideal for a wide range of identification applications

SPECIFICATIONS

Product Type	U8 (NXP) UHF PVC Card
Chip	NXP UCODE 8
Frequency	840 - 960 MHz (Global)
Protocol	ISO/IEC 18000-6C (EPC Gen2)
Memory	EPC: 128 bits TID: 96 bits User: 0 bits
UID	96 bits (Unique ID)
Card Size	85.6 x 54 mm (CR80)
Card Thickness	0.76 mm (30 mil)
Material	PVC
Surface Finish	Glossy
Printing	Full Colour (CMYK)
Printing Sides	Single-sided or Double-sided
Operating Temperature	-20°C to +60°C
Storage Temperature	-20°C to +70°C
Durability	Water-resistant, scratch-resistant and built for daily use
Applications	Asset Tracking, Inventory Management, Logistics, Access Control, Retail, Libraries and more

CHIP INFORMATION

PARAMETER	DETAILS
Chip	NXP UCODE 8
EPC Memory	128 bits
TID Memory	96 bits
User Memory	0 bits
Frequency Range	840 - 960 MHz
Protocol	ISO/IEC 18000-6C (EPC Gen2)
Read Range	Up to 8 meters (depending on reader and environment)
Data Transfer Rate	Up to 600 kb/s
Write Cycles	100,000 cycles
Data Retention	50 years
ESD Protection	2 kV (HBM)
Compliance	RoHS, REACH

CARD DIMENSIONS



APPLICATIONS



ASSET TRACKING

Track and manage assets, equipment and inventory efficiently.



INVENTORY MANAGEMENT

Streamline stock control and warehouse operations.



ACCESS CONTROL

Secure access to buildings, areas and restricted zones.



LOGISTICS & SUPPLY CHAIN

Track goods, shipments and containers in real time.



RETAIL MANAGEMENT

Improve shelf management, anti-theft and stock visibility.



LIBRARY & DOCUMENT MANAGEMENT

Manage books, files and documents with ease.

PRINTING OPTIONS



FULL COLOUR
PRINTING



SINGLE OR
DOUBLE SIDED



VARIABLE DATA
PRINTING



BARCODE
PRINTING



QR CODE
PRINTING



SIGNATURE
PANEL

CUSTOMISATION OPTIONS



Add your logo, design or artwork to create a unique card.



Variable data printing: names, numbers, barcodes, QR codes and more.



Optional features: barcode, QR code, signature panel and sequential numbering.



Sequential numbering and encoding available on request.

WHAT'S IN THE BOX



U8 (NXP) UHF PVC Cards
(Quantity as ordered)



Bulk packed securely



HOTLINE
0861 734 772



EMAIL
sales@rfdigi.co.za



WEBSITE
www.rfdigi.co.za

NATIONWIDE SUPPORT
TRUSTED RFID & IOT SOLUTIONS
PROVIDER IN SOUTH AFRICA

