

Product Data Sheet

PS SecurityPaper

Security RFID Paper

The Porta Saber **SecurityPaper** was developed to create a product that would bring a new layer of security to paper documents. The RFID transponder is imbedded in the paper so it cannot be removed without destroying the document. The ability to relate the printed information with the information encoded on the chip brings documents security to a new level. Traditional paper security features can exist or be added and customised to the paper according to the customer's requirement.

Electrical Specifications

Type :	Passive UHF RFID	
Protocol :	EPC Class 1 Gen 2 ISO 1800-6C	
Frequency :	Global 860 to 960 Mhz	
IC :	R6P – Gen 2 V1	UCODE DNA – Gen 2 V2
Memory :		
TID	96 bits	96 bits
EPC	128 / 96 bits	224 bits
USER	32 / 64 bits	3.072 bits
PASSWORD	32 bits Access, 32 bits Kill	32 bit Access, 32 bit Kill
CRYPTOGRAPHY	---	2x128b AES Keys, AES Digital Core
Read Range** :	Up to 8 meters	

Mechanical Specifications

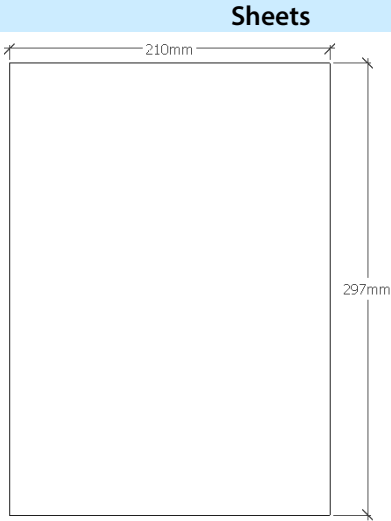
Structure :	
Liner	---
Adhesive	---
Face	Paper
Antenna	Aluminium
Face	Paper
Delivery Format :	Boxes of 500 or 2.500 sheets
Bad Labels :	---
Pitch :	---
Inner Core :	76 mm
Dimensions :	A4 – Other Sizes available on request

Ambient Conditions

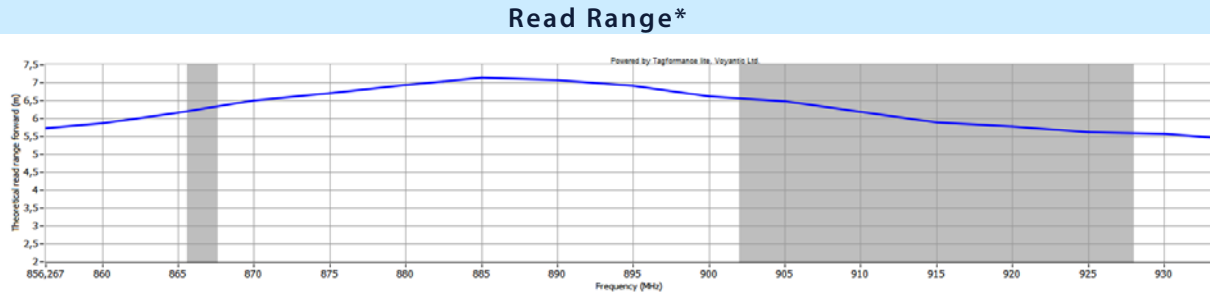
Operational Temp.	-35°C to 85°C
Exterior Temp.	-35°C to 85°C
Shelf Life	12 Months +20°C / 50% RH
Product Life	Years in normal conditions

Add On's***		
Other Chips	Pre Printing	Tamper Evidence
Pre- Encoding	Personalisation	Tamper Proof Cuts
Encoding	Security Printing	Hologram

Physical Dimensions



Label Performance



Disclaimer:

* - Read ranges are theoretical values measured in controlled laboratory environment. Read range is affected by adjacent materials and weather conditions, local regulations for using RFID systems and their configurations.

** - Outdoor test measurement

*** - Minimum Order Quantities and costs will be discussed on a per request basis

The enclosed information is indicative and result of tests and supplier's information Porta Saber cannot guarantee the information at customer conditions We help our customers to select the right configuration in every condition to ensure optimal RFID system performance.

