

INVENGO **COMBI CARD PVC CARD**



Impinj Monza 5 & NXP Mifare Classic EV1









About Invengo's Smart Card with Monza 5 and MIFARE Classic EV1

The Invengo XCTF-8210D-C13 combines Impinj Monza 5 passive RAIN RFID (UHF) technology with NXP's Mifare Classic EV1 HF funtionality. This combi smart is card designed for superior read/write performance combining Invengo's advanced antenna design and both RAIN RFID and HF industry leaders IC's.



Invengo – the global RFID technology provider – is a leading developer and manufacturer of high quality, intelligent RAIN RFID (UHF) and NFC (HF) inlays, tags and connectivity solutions utilized in the Internet of Things (IoT). With a focus on RFID innovation, Invengo has created a leading product line in retail, library, (industrial) laundry, pharmaceutical, healthcare, (public) transportation and many other industries.

Invengo Technology Pte. Ltd. (SG) is the International Headquarters of Invengo Information Technology Co. Ltd, listed on Shenzhen Stock Exchange (SZSE: 002161.SZ). Employing over 600 people globally, Invengo is one of the largest publicly traded, RFID oriented companies in the world.

Key Benefits

- · High performance transponders for a wide range of (combined) applications
- Operating Frequency 840 to 960 MHz / 13.56 MHz
- State-of-the-Art Monza 5 and MIFARE Classic EV chip
- Superior read/write sensitivity
- 100% performance tested



Application Areas

- Personal Identification
- Public Transportation & Electronic Toll Collection
- Automatic Vehicle Identification
- Access Control
- Event Management
- Club and Resort Membership
- Asset Tracking

Card Design



Product Specifications

RAIN RFID (UHF)

Protocols Supported EPCglobal Class 1 Gen 2,

ISO 18000-63

Integrated Circuit (IC) Impinj Monza 5

Operating Frequency 840 to 960 MHz

EPC Size 128 bits

TID 32 bits model number and

48 bits serialized number

Access password 32 bits
Kill password 32 bits

HF

Protocols Supported ISO/IEC 14443 - A
Integrated Circuit (IC) NXP MIFARE Classic EV1

Operating Frequency 13,56 MHz

Memory 1K (EEPROM Size - byte)

Security 4-byte NUID

environmental

Operating Temperature

Shelf Life

-40°C to 85°C (-40°F to 185F) Minimum 2 years from date of

manufacturing in 20°C (68°F)

@ 50% RH

Bending Diameter > 50 mm, tension max 10 N

Static Pressure < 10MPa (10N/mm2)
ESD ± 2000V peak

Dimensions

Size 86 x 54 x 0,9 mm

(3.39 x 2.13 x 0.04 in)

Weight 6 gram

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