



Integrating High Frequency (HF) RFID Capabilities with the Market's Most Powerful Enterprise PDA

Psion has long been an expert in applying adaptive ingenuity to RFID, constantly creating new opportunities for organizations to improve efficiency and accuracy, increase productivity, and reduce direct labour requirements.

Now, with the multi-protocol HF RFID module for EP10, you can harness the power of RFID in the industry's most durable and complete enterprise PDA.

The HF RFID expansion module for EP10 is the latest from Psion to be added to its growing portfolio of RFID products. With the HF module, businesses can now add RFID capabilities to the already extensive feature set of the EP10 to help minimize downtime, maximize productivity, and reduce costs in the long-term. Plus, it complements the already striking ergonomics of EP10 with its light and well-balanced form factor.

The unique design of the EP10 HF module allows users to combine other technologies such as GPS, barcode scanning, and modern radio communication to offer the flexibility to operate in multiple regulatory and reading environments.

The HF module supports the Mifare protocol and data encryption is available through 2 SAM slots. Furthermore, the smart card protocols ISO14443 and ISO15693-3 are also supported by the HF RFID module for EP10.



Typical Applications

The HF RFID expansion module can be combined with the already extensive feature set of EP10 to enable businesses to increase efficiencies and maximize productivity in such applications as:

- Inventory Management
- Retail
- Maintenance, Utilities and Meter Reading
- Inspection and Postal & Courier
- Mobile Merchandising and Store Stock Management
- Secure-ID - Contactless Smart Card Reader
- Asset Tracking

EP10 MULTI-PROTOCOL HF RFID MODULE

CREATED BY PSION. DRIVING YOUR BUSINESS.

Specifications

FREQUENCY

- 13.56 MHz

RF OUTPUT POWER

- 200 mW

POWER CONSUMPTION

- RF on - 200mA
- RF off - 15mA

PACKAGING

- Small size expanded back pack
- Standard EP10 camera not supported with HF module

PHYSICAL WEIGHT & DIMENSIONS

- 50 g (1.76 oz)
- 55 mm x 40 mm x 12 mm (2.17 in x 1.57 in x 0.47 in)

READ RANGE WITH ISO SMART CARDS

- ISO15693: up to 80 mm (3.15 in)
- ISO14443: up to 50 mm (1.97 in)

ANTENNA

- Integrated, Horizontal
- Reading area from the back

WIRELESS COMMUNICATIONS

- Compatible with UMTS only

TAG PROTOCOLS

- ISO15693, ISO14443A, ISO14443B

SUPPORTED TAG TYPES

- ISO15693-3 compatible tags: MIFARE® Standard, MIFARE® Ultralight, MIFARE® Desfire, MIFARE® Plus, MIFARE® Plus S, MIFARE® Plus SL3, NXP SmartMx, GTML, 14443A Controller, 14443B Controller, ICODE SLI, ICODE SLI-S, ICODE SLI-L, ICODE UID, MyD 10p, MyD 02p, MyD 10S, MyD 01P, SLE66R35, SLE66R32P, SLE66CLX360, SLE66CLX800, Felica and more

DATA ENCRYPTION

- 2 SAM slots
- ID1 SAM format
- Class A, B & C

NFC

- Reader to Tag mode

PROGRAMMING ENVIRONMENT

- RFID SDK and RFID demo provided, high level API

REGULATORY APPROVALS

- CE
- FCC
- IC

ENVIRONMENT

- Drop Tests: Multi Drops at 1.2 m / 4 feet
- IP54



For more information, please visit www.pSION.com

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