

# HIGH FREQUENCY RFID BACK PACK

Psion

Mobilising RFID



## Integrating High Frequency (HF) RFID Capabilities for NEO

The advancement of Radio Frequency Identification (RFID) as an auto identification and data capture (AIDC) technology has created new opportunities for organizations to streamline processes and improve productivity. RFID tags make it easy to track assets as they move from location to location.

The Psion RFID readers let you harness the power of RFID and integrate it with other ID technologies such as imaging or barcode scanning. This enables you to choose the right technology for your specific application.

The PX3070 HF RFID Back Pack can easily be added to NEO – Psion's compact,

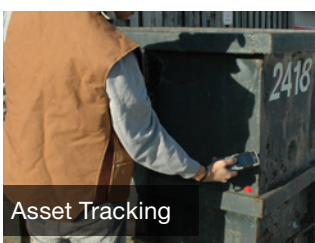
intelligent and rugged handheld computer – for integrated HF RFID reading capabilities. Due to the compact size and striking ergonomics of NEO, it is the perfect tool for such applications as ticketing or asset tracking when combined with the HF RFID Back Pack.

The HF Multi-ISO Reader Module is based on the HID Global™ Multi-ISO Reader. It supports many RFID protocols, has 2 SAM slots for data encryption, and is CE, FCC and IC certified.

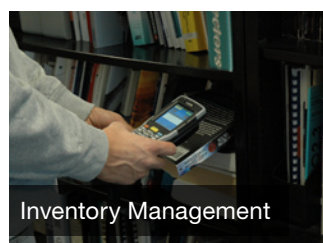
The HF Multi ISO Reader Module simply mounts to the backside of NEO and supports a broad range of tags including ISO 14443 type A and B standards, the full MIFARE family, NFC (reader to tag mode) ISO 15693, ISO 18000-3, EPC HF, and UID tags.

## Applications

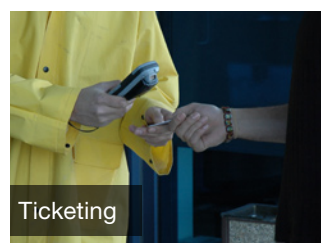
- Contactless Smart Card and Ticketing applications such as transit fares, reading tickets, and providing access control
- Maintenance, Utilities and Meter Reading
- Inspection and Postal & Courier
- Inventory Management and Asset Tracking
- Mobile Merchandising and Store Checking
- Process Automation



Asset Tracking



Inventory Management



Ticketing



Merchandising

# HF RFID BACK PACK

## Mobilising RFID

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### Specifications

- HID Global™ Multi ISO reader inside

#### FREQUENCY

- 13.56 MHz

#### OUTPUT POWER

- 200 mW

#### POWER CONSUMPTION

- RF on – 230mA
- RF off – 90mA

#### DOCKING PORT

- USB Link

#### PACKAGING

- Small size clip and screw back pack

#### PHYSICAL WEIGHT & DIMENSIONS

- 40 g / 0.09 lb
- 69 x 51.5 x 21 mm / 2.7 x 2 x 0.8 in

#### READ RANGE WITH ISO SMART CARDS

- ISO15693: up to 70 mm
- ISO14443: up to 55 mm

#### ANTENNA

- Integrated, Horizontal

#### TAG PROTOCOLS

- ISO15693, ISO14443A, ISO14443B

#### SUPPORTED TAG TYPES

- mifare® Standard, mifare® 4k, mifare® Pro, mifare® Ultralight, mifare® DESFIRE, mifare® SmartMX
- I-CODE SLI (SL2 ICS 20), CODE EPC (SL2 ICS 10), I-CODE UID (SL2 ICS 11), I-CODE, NFC (Reader To Tag Mode)
- SLE 55Rxx, SRF55VxxP+S, SLE 66CL160S, SLE 66CLX320P, SR176, SR1X4K, LRI 64, MRI 512, EM4135, KSW Temp Sens®
- Tag-it™ HF-I Standard, Tag-it™ HF-I Pro, Jewel Tag, Sharp B, ASK GTML, ASK GTML2ISO, TOSMART P032/P064
- ISO 15693 Tags, ISO14443A Tags, ISO14443B Tags.

#### DATA ENCRYPTION

- 2 SAM slots

#### NFC

- Reader to Tag mode

#### PROGRAMMING ENVIRONMENT

- RFID SDK and RFID demo provided, high level API

#### REGULATORY APPROVALS

- CE
- FCC
- IC



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### Supported Psion Devices

- Handheld Computers: NEO

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For more information, please visit [www.pSION.com](http://www.pSION.com)

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