

ULTRA HIGH FREQUENCY RFID BACK PACK



Mobilising RFID



Integrating Ultra High Frequency (UHF) RFID Capabilities for NEO

Radio Frequency Identification (RFID) technology is constantly creating new opportunities for organizations to improve efficiency and accuracy, increase productivity, and reduce direct labour requirements.

Psion's RFID expertise has resulted in a portfolio of RFID-enabled mobile data collection devices that let you harness the power of RFID, integrate it with other ID technologies, and deploy in an expanding number of applications including inventory management and retail.

The UHF RFID Back Pack for NEO is the latest from Psion to be added to its growing portfolio of RFID products. It is light and

well-balanced and complements the already striking ergonomics of NEO – Psion's compact, intelligent and rugged handheld computer.

The UHF module for NEO is unique as it can combine Linear or Circular polarized antennas and it is based on the Quark (Model R1230C) CAEN Reader, which offers multiregional capabilities. This offers companies the flexibility to operate in multiple regulatory and reading environments.

The UHF module can easily be mounted to the backside of NEO, allows for fast reading and can be used in dense tag environments. It supports the EPC C1 G2 and ISO 18000-6C protocols, and is CE, FCC and IC certified.

Applications

- Inventory Management
- Retail
- Maintenance, Utilities and Meter Reading
- Inspection and Postal & Courier
- Mobile Merchandising and Store Stock Management
- Process Automation
- Asset Tracking



Inventory Management



Retail



Asset tracking

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Specifications

- Quark Model R1230C from CAEN RFID

FREQUENCY

- Multi-regional Programmable
- UHF Frequency

OUTPUT POWER

- Max : 200 mW
- Power Step Control : 8 mW to 200 mW (conducted)

ANTENNAS

- Integrated Linear Polarized Dipole
- Integrated Circular Polarized Patch

POWER CONSUMPTION

- RF ON - 450 mA @ 23 dBm (200 mW)
- RF OFF - 80 mA in idle mode

STANDARD COMPLIANCE

- EPC C1 G2/ISO 18000-6C
- Other by Firmware upgrade

ELECTRICAL INTERFACE & POWER SUPPLY

- NEO Expansion Connector
- 3.7 V

READING ERGONOMICS

- Very Light UHF Gun

PACKAGING

- Small Size clip on and screw back pack
- Same Packaging for Linear and Circular polarized antenna

PHYSICAL WEIGHT & DIMENSIONS

- Linear option : 82 g / 0.18 lb
- Circular option : 168 g / 0.37 lb
- 70 x 72 x 85 mm / 2.75 x 2.83 x 3.34 in

STATIC READ RANGE

- Short Dipole UPM @ Monza 4 up to 1.5 m (Linear Antenna)
- Short Dipole UPM @ Monza 4 up to 1 m (Circular Antenna)

DOCKING PORT

- USB Serial Link

PROGRAMMING ENVIRONMENT

- RFID SDK and RFID demo provided, high level API
- RFID Wedge to emulate a bar code scanner

USER ENVIRONMENT

- IP54
- Drop : 1.2m / 4 ft

REGULATORY APPROVALS

- CE
- FCC
- IC



ORDERING OPTIONS

- PX3080 - Linear Polarized Antenna (Europe)
- PX3082 - Linear Polarized Antenna (North America)

- PX3081 - Circular Polarized Antenna (Europe)
- PX3083 - Circular Polarized Antenna (North America)

SUPPORTED PSION DEVICES

- Handheld Computers: NEO

For more information, please visit www.pSION.com

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