

# RD7900 UHF RFID Reader

## Rugged, EPC-Compliant RFID Reader

IMPROVE PRODUCTIVITY AND CUSTOMER SATISFACTION THROUGH RFID



The RD7900 UHF RFID Reader is a tethered, EPC-compliant 900MHz RFID reader that operates with Psion Teklogix rugged hand-held and vehicle-mount computing devices. Customers benefit from investment protection with a device that meets the EPC-compliance requirements of Wal-Mart and the U.S. Department of Defense while connecting to existing hardware infrastructures. Multimedia data capture capabilities are delivered by combining RFID with existing technologies such as laser bar code scanning.



**FLEXIBILITY:** Compatible with EPC Class 0, 0+ and Class 1 Gen 2 as well as ISO 18000-6 protocols, the RD7900 UHF RFID Reader delivers outstanding flexibility. Enables multimedia data capture capabilities - RFID is delivered via the RD7900 UHF RFID Reader and laser bar code scanning or imaging capabilities are delivered via the Psion Teklogix device to which the RD7900 UHF RFID Reader is connected.

**INVESTMENT PROTECTION:** The RD7900 UHF RFID Reader connects to existing, deployed Psion Teklogix products. Consequently, existing infrastructure can be leveraged for the deployment of an EPC-compliant RFID system.

**RUGGEDNESS:** The rugged design of the RD7900 UHF RFID Reader delivers overall system uptime for increased productivity even in harsh environments. Rated at IP54, the RD7900 UHF RFID Reader is protected against dust and water sprayed from all directions. Combined with a 5-foot drop rating, the RD7900 UHF RFID Reader will keep working even when subjected to harsh impacts.

**ERGONOMICS:** Well balanced, lightweight and with an easy to handle pistol grip, the RD7900 UHF RFID Reader is easy to use for a full shift.



# RD7900 UHF RFID Reader



## PRODUCTS THAT CONNECT TO THE MOBILE UHF RFID READER



7535



7530



8525

## Specifications

### STANDARDS COMPLIANCE

- EPC Class 0, 0+ and Class 1
- ISO 18000-6 A, B
- UHF Gen 2

### TERMINAL INTERFACE

- 7535
- 7530
- 8525

### PROGRAMMING ENVIRONMENT

- Standard protocol APIs
- Windows sockets (WinCE)

### USER INTERFACE

- Trigger to initiate scanning
- LED indicator for "ready to scan"
- LED indicator for scanning / no tag read

### RFID APPLICATIONS

- Multi-protocol support
- Compatible with Psion Teklogix RFID Management Suite

### TECHNICAL SPECIFICATIONS

#### READ DISTANCE

- 0.0m – 1.5m Class 0
- 0.0m – 1.5m Class 1
- 0.0m – 1.5m Class 0+

*Read distance is dependant upon material in cases and tag configuration. For metal cans and water, range will decrease significantly*

#### WRITE DISTANCE

- 0.0m – 0.5m Class 1
- 0.0m – 0.5m Class 0+

#### CABLE LENGTHS - MAXIMUM EXTENSION

- 2.5 m

#### WEIGHT:

- Less than 750g

### ENVIRONMENTAL:

- Operating temp: 32°F to 122°F (-10°C to +50°C)
- Storage temp: -13°F to 140°F (-25°C to +60°C)
- Humidity: 5-95% RH non-condensing
- Rain/Dust: IEC 529, classification IP54
- Shock: 1.5m (5') drop to polished concrete (26 times)
- Cradle vibration: 1.5g RMS PSD (4 Hz – 500 Hz)

### APPROVALS:

- Safety: UL 1950, CSA C22.2 No950, LVD EN60950
- EMC: FCC Part 15 Class B, EMC Directive Class B

\* Specifications Subject to Change



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