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EP10 MULTI-PROTOCOL HF RFID MODULE

Motorola 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 labor requirements.

Now, with the multi-protocol HF RFID module, you can harness the power of RFID in Motorola's EP10™ rugged handheld mobile computer.



FEATURES AND BENEFITS

HF RFID expansion module

The HF RFID expansion module for EP10 is the latest from Motorola 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.

Unique design

The unique design of the EP10 HF RFID 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.

Supports the Mifare

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

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For more information, please visit www.motorolasolutions.com/EP10

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	2.17 in. L x 1.57 in. W x 0.47 in. D (55 mm L x 40 mm W x 12 mm D)
Weight	1.76 oz. / 50 g
Power	RF Output Power: 200 mW Power Consumption: RF on - 220mA RF off - 15mA
HF Packaging	Small size expanded back pack Standard EP10 camera not supported with HF module

RFID

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
Tag Protocols	ISO15693, ISO14443A, ISO14442B
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

PERFORMANCE CHARACTERISTICS

Near Field Communication (NFC)	Reader to Tag mode
Programming Environment	RFID SDK and RFID demo provided, high level API

USER ENVIRONMENT

Sealing	IP54
Drop Spec	Multiple drops at 4 ft. / 1.2 m

WIRELESS DATA COMMUNICATIONS

Compatible with UMTS only

REGULATORY

CE, FCC, IC

WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the EP10 HF RFID Module is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, go to: <http://www.motorolasolutions.com/warranty>