



## DRIVING YOUR BUSINESS

# EP10

### OPTIMIZED FOR ENTERPRISE PERFORMANCE

Today's business pressures can be tough. Boosting service levels at all points of contact is essential, meaning field workers need fast, reliable access to complex applications. Consumer-grade smartphones can't cope. The Motorola EP10™ delivers all the performance and durability of a full-sized rugged handheld — without the costs or bulk.

### IT WORKS HARDER SO YOUR BUSINESS IS SMARTER IN THE FIELD

Since 1980, adaptive ingenuity has been hard-wired into everything we've ever built. Today, nothing has changed — it's what pushes us to innovate mobile computing solutions that transform the way businesses work.

The EP10 is built on the same core technology that powers the Omnia™ family. This means EP10 boasts an extensive set of features that help customers minimize downtime, maximize productivity, and reduce costs in the long-term — enabling businesses to work harder and smarter in the field.



### FEATURES AND BENEFITS

#### Uncompromised Performance

The EP10 features industry-leading power. Built with the Texas Instruments AM3715 Sitara ARM microprocessor, the EP10 delivers benchmark performance with an 800 MHz clock speed and ultra-fast 1375 Drystone MIPS. Its superscalar architecture allows for more efficient computational logic, and its 256 RAM / 2 GB Flash memory provides better support when running multiple applications simultaneously.

#### Compact Form Factor

Size, form factor and ergonomics are all EP10 strengths. Weighing only 345g in a durable case, the EP10 is light and well-balanced in the hand and it's just as easy to pocket as it is to use. It also features a backlit keypad that is designed for ambidextrous, one-handed operation.

#### Full-Sized Features

Although small, the EP10 is still big on features. Delivering full phone functionality, the EP10 comes with an integrated 3.2MP camera, onboard scanning which speeds up data collection with its 2D omni-directional imager, and both standard and high capacity Li-Ion rechargeable battery options providing power for an entire shift. There is even an option for a multi-protocol HF RFID reader.

#### Ultimate Wireless

Dedicated radio designs give EP10 total flexibility and quicker data transfer across all applications. The EP10 supports the latest mobile communication standards including CDMA (EVDO rev A) or GSM (UMTS 3.8G HSPA+), GPS, WiFi and Bluetooth.

#### Optimal Viewing Experience

The EP10 boasts a large, high-resolution 3.7" VGA color transfective display as well as an integrated touch-screen that can be operated by finger or passive stylus. The display has been designed to be sunlight readable by day and backlit for darker conditions.

#### Smart Sensors

EP10's built-in interactive sensors enable mobile employees to work smarter with its context-aware computing. It is packed with everything from proximity and light sensors to an accelerometer, gyroscope, digital compass and GPS, allowing for automatic backlighting, screen rotation and accurate data geo-tagging capabilities.

## THE RIGHT FIT FOR FIELD SERVICE TASKS

For more information, please visit [www.motorolasolutions.com/EP10](http://www.motorolasolutions.com/EP10)

# TECHNICAL SPECIFICATIONS

## PHYSICAL CHARACTERISTICS

Dimensions	6.2 in. L x 3.1 in. W x 1.2 in. D (158 mm L x 78 mm W x 30.6 mm D)
Weight	0.76 lbs./345 g
Keyboard Options	QWERTY, AZERTY, Numeric, High reliability keypad ultra-white backlit
Power	Optional 3.7V @ 2400 mAh Li-ion rechargeable battery Optional High Cap 3600 mAh Li-ion rechargeable battery SMART battery System backup during battery swap
Display	3.7" VGA portrait mode, Color 480 x 640 graphic TFT, Backlight feature 165 cd/m <sup>2</sup> output, Sunlight readable with integrated touch screen, Passive stylus or finger operation
Audio	Built-in 85db mono speaker; Microphone; Receiver; Supports VoIP, speech recognition, and Push-to-Talk applications; Wireless Bluetooth® headset support; Front and rear speakers
Camera	3.2 Mega Pixel Color, Auto Focus, Dual LED Flash
Expansion Slots	MicroSD slot
Enhanced Features	Accelerometer; Digital Compass; Gyroscope; Light Sensor; Proximity Sensor
Snap Modules	USB and DC Input; RS232 and DC input; Customizable with HDK & SDK
RFID Module Options	HF Multi ISO Reader with Tag Protocols: ISO15693, ISO14443 type A&B <ul style="list-style-type: none"> <li>Supported Tags: 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</li> <li>Full Mifare Compliant with 2 SAM slots enables encryption for secure transactions</li> <li>NFC support (Reader to Tag Mode)</li> <li>HF Frequency: 13.56 MHz</li> </ul>

\*Note HF RFID variant does not have camera and is for UMTS only.

## PERFORMANCE CHARACTERISTICS

CPU	Industrial-class AM3715 Sitara microprocessor (ARM Cortex A8) @ 800 MHz
Operating System	Windows® Embedded Handheld 6.5.3
Memory	256 MB SDRAM and 2GB Flash
Bar Code Scanner*	EA11 2D Imager Scanning Performances: Scan Rate: 2D mode: 56 images/s auto adaptive Linear emulation mode: 200 scans/s auto adaptive Scan angle: 38.9° (Horizontal), 25.4° (Vertical) Optical resolution: 752 (H) x 480 (V) pixels, 256 gray levels Print Contrast: down to 25%

Application Software	Windows® Office Mobile 2010, includes Word, Excel, PowerPoint, OneNote & SharePoint; Internet Explorer Mobile; Windows Office Outlook Mobile; Windows Media Player Mobile; Device Management Software - Mobile Control Center (MCC)
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## USER ENVIRONMENT

Operating Temp.	-10°C to +50°C / 14°F to +122°F
Storage Temp.	-25°C to +65°C / -4°F to +140°F
Humidity	5% to 95% non-condensing
Sealing	IP54, IEC 529
Drop Spec	Multiple 5 ft / 1.5 m - 26 drops on each edge, corner, and face to polished concrete; multiple drops at 6 ft (1.8m)
Tumble	1000 times at .5 m (2000 drops), IEC 60068-2-32
ESD	+/- 8k Vdc air discharge, +/- 4k Vdc contacts

## WIRELESS DATA COMMUNICATIONS

WLAN	On-board IEEE 802.11a/b/g/n (CCX v4 Certified) radio Security: 802.1X, WPA / WPA2 Enterprise Authentication: FAST-MSCHAP v2; LEAP; PEAPv0-MSCHAP v2; PEAPv1-GTC; TLS Encryption: 64/128 WEP, AES-CCMP, TKIP
WWAN	UMTS 3.8G HSPA+ radio Five Band UMTS: 800/850, AWS, 1900, 2100 MHz Quad-Band GSM: 850, 900, 1800, 1900 MHz CDMA EVDO Rev A radio Dual Band: 800/1900 MHz
WPAN	Integrated Bluetooth® V2.0 + EDR
GPS	SIRFstarIV GPS with SIRFInstantFix A-GPS support (48 channel)
Antenna	Integrated 5 band Antenna, supports both voice and data

## REGULATORY

FCC Parts 15B, 15C, 15E, 22H, 24E, 27; IC RSS-210, RSS-132, RSS-133; EN 300 328, EN 301 489, EN 55022, EN55024, EN301 511, EN301 908, EN300 440, EN301 893; Safety IEC/EN 60950-1; Laser Safety IEC 60825-1

## ACCESSORIES

For a complete list of accessories, visit [www.motorolasolutions.com/ep10](http://www.motorolasolutions.com/ep10).

## WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the EP10 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>

## SERVICES AND SUPPORT

- Pision Primary Services

## TYPICAL APPLICATIONS

- Field Service
- Public Safety
- Postal & Courier Services
- Mobile Ticketing