



ENTERPRISE VALUE WITHOUT COMPROMISE FOR FIELD MOBILITY

# MC45 NFC MOBILE COMPUTER

**Improve workforce productivity and task accuracy in the field with the affordable MC45 NFC.** Whether your workforce is in charge of securing or managing your facilities or caring for patients at home, they all have one thing in common — many tasks must be performed throughout a shift, and all those tasks must be carefully documented to ensure completion as well as task accuracy. The MC45 NFC is the affordable way to give these workers the means to instantly and automatically capture that information, improving productivity and task accuracy. Your workers get sleek styling and the one-handed easy operation they expect, while you get the right mix of features and the enterprise rugged design, durability, security and manageability your business demands — all in a compact device that fits in your budget. And with a cellular connection to your business systems, information is visible in real time, helping ensure that security personnel complete rounds on time, facilities technicians complete maintenance on time and home healthcare workers perform all tasks with every patient on every visit. The result? Facilities are safer and always well-maintained. And home healthcare patients receive higher quality of care.



### Class-leading ergonomics

Motorola's award-winning Industrial Design team developed a pocketable device that is easy to hold, while key size, key placement and display size make it easy to see and easy to use.

### True field durability

The MC45 NFC is built for life out in the field, able to handle drops, bumps, spills, dust, vibration and the thermal shock that often occurs as workers travel from a climate controlled vehicle to the outdoors.

### Advanced Near Field Communication (NFC) technology

Easy tap-and-go action for fast and automatic capture of data embedded in NFC tags. Supports location tracking, equipment verification, proof of presence and more. With easy touch-and-go action, you automatically perform data transfer and are ready to move on to your next task.

### Robust cellular connectivity all around the world

No matter where the workday takes your employees, 3.5G GSM HSDPA cellular keeps them connected to the business data they need to stay productive.

### GPS services in more areas

Workers can count on dependable GPS access to real-time directions and geostamps that automatically capture information for applications — even in challenging urban areas, dense foliage or inside buildings.

### Expand functionality with our complete accessory family

Our full family of desktop and vehicle charging cradles, holsters and cables makes it easy for users to manage the MC45 NFC out on the road and in the depot. The MC45 NFC can accept practically any type of payment — including Chip and PIN-based credit and debit cards — through Motorola's Mobile Payment Module. Bluetooth provides an easy wireless connection to third-party mobile printers, headsets and more.

### Comprehensive camera functionality

The integrated 3.2 MP color camera allows workers to capture practically any type of data to streamline business processes, including 1D/2D bar codes, as well as photos and videos.

### Best battery power in its class

With the most battery power in its class, the MC45 NFC delivers plenty of power for a full shift — even in wireless or usage-intensive environments.

### Built-in support for OS-agnostic applications

Support for Motorola's RhoMobile Suite enables the deployment of HTML5 based OS-agnostic applications, substantially reducing application development time and costs — a single application can run on mobile devices with different operating systems.

## THE MC45 NFC — A NEW LEVEL OF AFFORDABILITY FOR FIELD APPLICATIONS

For more information, visit [www.motorolasolutions.com/mc45nfc](http://www.motorolasolutions.com/mc45nfc) or access our global contact directory at [www.motorolasolutions.com/contactus](http://www.motorolasolutions.com/contactus)

# SPECIFICATIONS CHART

## PHYSICAL CHARACTERISTICS

Dimensions	5.6 in. L x 2.6 in. W x 1.0 in. D 14.2 cm L x 6.6 cm W x 2.5 cm D
Weight	8.73 oz./247.4 g
Display	Outdoor-viewable 3.2 in. QVGA with backlight, 240 W x 320 L
Touchpanel	Polycarbonate analog resistive touch
Backlight	LED backlight
Standard Battery	Rechargeable Lithium Ion 3.7V, 3080 mAh
Expansion Slot	User accessible 32 GB microSD slot with SDHC support
Network Connections	USB 2.0 High Speed (host and client), WLAN, WWAN and Bluetooth
Notification	Vibrator and audible tone plus multi-color LED
Keypad	26-key numeric
Voice and Audio	VoWWAN: handset mode with active noise reduction, high-quality speaker phone, Bluetooth wireless headset mode

## PERFORMANCE CHARACTERISTICS

CPU	600 MHz, ARM 11 processor, MSM 7627
Operating System	Microsoft® Windows Embedded Handheld™ 6.5.3 Professional Edition
Memory	512 MB RAM / 1GB Flash

## USER ENVIRONMENT

Operating Temp.	-10°C to 50°C/14°F to 122°F
Storage Temp.	-40°C to 70°C /-40°F to 158°F
Humidity	5% to 95% non-condensing
Drop Specification	Multiple 6 ft./1.8 m drops per MIL-STD-810G
Tumble Specification	250 0.5 m (1.5 ft.) tumbles (500 drops); per applicable IEC tumble specifications
ESD	+/-15kVdc air discharge, +/-8kVdc direct discharge, +/-8kVdc indirect discharge
Sealing	IP64 per applicable IEC sealing specifications
Vibration	.02g2/Hz Random, Non-Operating, 1 hour duration per axis
Thermal Shock	-40°F to 158°F/-40°C to 70°C rapid transition

## MOTOROLA INTERACTIVE SENSOR TECHNOLOGY (IST)

Ambient Light Sensor	Automatically adjusts required display backlight to maximize power efficiency
Proximity sensor	Automatically detects when the user places the handset against head during a phone call to disable display output and touch input

## DATA CAPTURE

Camera	Autofocus 3.2 MP with user-controllable flash; supports integrated 1D/2D bar code capture
NFC Communication	NFC Radio: 13.56 MHz Read range: 0-2.75 in/ 0.7 cm Supported card types: NFC tag types 1,2,3,4; ISO 14443-A MIFARE™ (Classic, UltraLight, Plus, DESFire and NTAG); ISO 14443-B; FeliCa®; ISO 15693: NXP I.Code SLI and TI Tag-i

\* Please refer to the MC45 User Guide or Integrator Guide for full data capture specifications.

## WIRELESS WAN DATA AND VOICE COMMUNICATIONS

Radio	3.5G HSDPA, Quad-Band GPRS/EDGE
Frequency Band	GSM – Quad Band : 850/900/1800/1900 MHz UMTS/HSDPA: 2100 MHz
GPS	Integrated, Autonomous and Assisted-GPS (A-GPS)

## WIRELESS PAN DATA AND VOICE COMMUNICATIONS

Bluetooth	Class II, V2.0 with Enhanced Data Rate (EDR)
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## PERIPHERALS AND ACCESSORIES

Wall charger; Micro USB cables; single-slot charging cradle; 4-slot battery charger; innovative multi-slot cradle that holds terminal as well as battery charger through field replaceable cups; vehicle cradle with suction cup; auto charger; rugged USB adapter; DEX cable; holster and more. Visit [www.motorolasolutions.com/mc45](http://www.motorolasolutions.com/mc45) for a complete list of accessories.

## REGULATORY

Visit [www.motorolasolutions.com/mc45nfc](http://www.motorolasolutions.com/mc45nfc) for regulatory information

## WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the MC45 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>

## RECOMMENDED SERVICES

*Managed Device Service:* Outsource everyday device management to Motorola. We will track, monitor and manage your MC45 devices.

*Service from the Start with Comprehensive Coverage:* A unique service that covers normal wear and tear as well as accidental damage to internal and external components.

## BOOST EFFICIENCY AND CUSTOMER SERVICE IN:

### Field sales

- Sales and pre-sales teams
  - CRM
  - Sales/order tracking
  - Order taking
  - Appointment scheduling
  - Location-based services

### Field service

- Technicians
  - Service automation
  - Inventory management
  - Part inventory management
  - Invoicing/signature capture
  - Task management
  - Order tracking
  - Location based services
  - Appointment scheduling
  - Security/man-guarding
  - Facilities management
  - Remote/home healthcare

## Transportation & Logistics

- Route drivers
  - Pick-up and delivery
  - Fleet management
  - Proof of delivery
  - Baggage and cargo tracking
  - Dispatch and dynamic routing
  - Stock keeping
  - Signature capture
  - Receiving and shipping
  - Maintenance and repair facilities