

**PRODUCT SPEC SHEET**  
**MC75A HF**



**ZEBRA**



# MC75A HF

## PREMIUM HF RFID CONTACTLESS MOBILE COMPUTER

### THE RIGHT MOBILE SOLUTION FOR TICKETING, IDENTITY AND ACCESS MANAGEMENT

Zebra's MC75A HF takes its place as one of the world's most proven premier mobile computers, with more features and functionality than any other device in its class. The MC75A HF starts with all the features and the same rugged design of the MC75A and adds an integrated HF RFID reader/writer for NFC contact less communication. The MC75A HF is the right contactless mobile solution for: public transportation, parks and event ticketing where closed-loop NFC transactions and payments can be processed; identity and access control with RFID-enabled cards, documents and passports; and asset tracking.

**Enable NFC communications and global closed-loop transactions and payments:** supports MIFARE™, FeliCa® and Calypso® (ISO 14443-A/B)

**Capture virtually any type of business data:** read HF RFID tags, scan any bar code, take a picture or a video or capture location data with the very latest in technology with Zebra MAX Data Capture

**6 devices in 1:** HF RFID reader/writer, 3.5G world mobile phone, mobile computer, bar code scanner and imager, high resolution digital camera and GPS all-in-one device substantially reduces the volume of devices you need to purchase and manage

**Cost-effective deployment of HF-based RFID applications:** use the MC70/MC75 accessories you already own

**Maximum reliability:** Zebra's signature rugged specifications for drop, tumble and sealing ensure reliable everyday operation

**Maximum security:** get government grade certified security support with the most advanced encryption and authentication protocols; high-performance Virtual Private Networks (VPNs) enable compliance with the toughest industry regulations, such as PCI and HIPAA

**Maximum power:** the most robust processing platform for blazing application performance

**True enterprise class motion sensing:** dynamic screen rotation and better management of battery power with Zebra MAX Sensor

**More GPS coverage in more areas:** best-in-class Zebra's MAX GPS delivers a faster and more accurate position, even in areas with a weak signal

**The most advanced display technology:** PenTile® 'RGBW' technology adds a white pixel to the traditional red, green and blue for richer, crisper text and graphics that are easier to read

**Easy and low-cost device management:** works with Zebra's leading management software, Mobility Software Platform (MSP)

**The most accessories:** expands device functionality, protects your investment and minimizes total cost of ownership (TCO)

**Service from the Start with Comprehensive Coverage:** get all-inclusive end-to-end protection against the unexpected (optional)

For more information, visit [www.zebra.com/mc75ahf](http://www.zebra.com/mc75ahf)

## SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		WIRELESS WAN DATA AND VOICE COMMUNICATIONS	
<b>Dimensions</b>	7 in. L x 3.3 in. W x 1.9 in. D 17.78 cm L x 8.4 cm W x 4.8 cm D	<b>WWAN Radio</b>	GSM: HSDPA
<b>Weight</b>	16.5 oz./467 g (including standard battery)	<b>GPS</b>	Integrated, Autonomous and Assisted-GPS (A-GPS) through SUPL; SiRFstarIII
<b>Display</b>	Super bright 3.5 in. color VGA (640x480) super bright 650+ NITS (luminous)	WIRELESS LAN DATA AND VOICE COMMUNICATIONS	
<b>Touch Panel</b>	Glass analog resistive touch	<b>WLAN Radio</b>	Tri-mode IEEE® 802.11a/b/g with the same performance and security protocols as the MC75A Series
<b>Battery Options</b>	Rechargeable Lithium Ion 3.7V, 3600 mAh or 4800mAh Smart Battery	WIRELESS PAN DATA AND VOICE COMMUNICATIONS	
<b>Expansion Slot</b>	microSD slot with SDHC Support (up to 32GB)	<b>Bluetooth</b>	Class II, v2.1 with Enhanced Data Rate (EDR)
<b>Comm. Interface</b>	Ethernet (via cradle); full-speed USB, host or client	RFID SPECIFICATIONS	
<b>Notification</b>	Vibrator and LED	<b>RFID Radio</b>	13.56 MHz
<b>Keypad Options</b>	Numeric; QWERTY		
<b>Audio</b>	VoWWAN; VoWLAN		

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**PERFORMANCE CHARACTERISTICS**


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<b>CPU</b>	PXA320 @ 806 MHz processor
<b>Operating System</b>	Microsoft® Windows Embedded Handheld
<b>Memory</b>	256MB RAM; 1GB Flash
<b>Interface</b>	RS-232, USB 1.1

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**USER ENVIRONMENT**


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<b>Operating Temp.</b>	14° F to 122° F/-10° C to 50° C
<b>Storage Temp.</b>	-40° F to 158° F/-40° C to 70° C (w/o battery)
<b>Humidity</b>	95% non-condensing
<b>Drop Spec</b>	Multiple 6 ft./1.8 m drops, per MIL-STD 810 specifications.
<b>Tumble Specification</b>	1,000 1.6 ft./0.5 m tumbles (2,000 drops); per applicable IEC tumble specifications
<b>Sealing</b>	IP54 per applicable IEC sealing specifications
<b>IrDA</b>	Infra-red port for connection to printers and other devices
<b>Electrostatic Discharge (ESD)</b>	±15kV air discharge, ±8kV direct discharge

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**BATTERY PERFORMANCE**


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<b>Standby Time</b>	150 hours
<b>Talk Time</b>	5 hours

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**SECURITY CERTIFICATION**


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Certified compliant with FIPS 140-2

<b>Read Range</b>	0-1.96 in./0-5 cm
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<b>SAM Slots (2)</b>	ISO 7816 compliant for encryption keys
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<b>Supported Card Types</b>	ISO 14443-A: MIFARE™ (Classic, UltraLight, DESFire) ISO 14443-B: Calypso® (GTML, GTML2, CD21, CD Light, CDS3, CD97, CD97BX, TanGO, Celego-Citi, CT2000), ASK CTS256 and CTS512, STMicroelectronics SRI FeliCa® ISO15693: NXP I.Code SLI, TI Tag-it
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**COLOR CAMERA**


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<b>Camera Module</b>	3.2 megapixel auto focus with flash
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**2D IMAGER ENGINE (SE4500-SR)**


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Same high performance Imager as the MC75A

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**ZEBRA INTERACTIVE SENSOR TECHNOLOGY**


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Motion-sensor: 3-axis accelerometer that enables motion-sensing applications for dynamic screen orientation, power management and free-fall detect

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**PERIPHERALS AND ACCESSORIES**


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See [www.zebra.com/mc75ahf](http://www.zebra.com/mc75ahf) for a complete list of accessories

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**REGULATORY**


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Same regulatory information as the MC75A

For countries outside USA, Canada, European Economic Area, Japan or Australia consult your local Zebra representative

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**WARRANTY**


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The MC75A HF is warranted against defects in workmanship and materials for a period of 12 months from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions.

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**RECOMMENDED SERVICES**


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Service from the Start with Comprehensive



**MAX**  
*Rugged*



**MAX**  
*Secure*



**MAX**  
*Sensor*

**101100**

**MAX**  
*Data Capture*



**MAX**  
*Locate*



**MPA**  
*MAX*



**MAX**  
*Voice*



**ZEBRA**

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