MC2200/MC2700 Mobile Computer

‘No-compromise’ cost-effective mobility for small and medium businesses

In your small to medium-size business, your workers need to work smarter — not harder. Whether your workers are on the floor of a warehouse, manufacturing plant or retail store, outside in a port or yard, delivering goods or repairing equipment, a mobile computer will take productivity and task accuracy to a new level. But cost-effective devices have fallen short in features — until today. Introducing the MC2200/MC2700, the affordable mobile computers packed with all the features your business needs. WiFi only and WiFi/cellular models connect any worker — inside your facility or out in the field. Advanced industrial design delivers extreme comfort and ease of use. The integrated touchscreen and keypad support today’s ‘green screen’ apps, and tomorrow’s touchscreen apps. Just add the trigger handle accessory to create a gun-style design for intensive scanning tasks. Complimentary pre-loaded value-add Mobility DNA tools make your devices easier to use, manage and secure. And the optional Mobility DNA Enterprise license unlocks big business voice and data tools that drive productivity and device management simplicity up.



Unparalleled ergonomics and flexibility

Designed for unmatched comfort, ease of use and productivity
The MC2200/MC2700 devices are loaded with design differences that bring big benefits to your user. Zebra’s award-winning Industrial Design team designed the size, shape and location of keys to enable workers to easily find the right keys by feel, even with gloves — and high contrasting colors make keys easy to see in any lighting, day or night.

The slender tapered design eliminates pressure points and fits virtually any size hand. Two perfectly placed and designed finger perches provide easy one-handed operation for keypad and touchscreen. And much more.

Two devices in one — brick and gun
Transform your MC2200 or MC2700 into gun-style devices — without compromising ergonomics or scanning performance. Just snap on the trigger handle accessory — no tools required. Since the electronics are in the trigger handle, scanning speed isn’t impacted — unlike many other trigger handles. Many hours of intensive human factor studies of hand positions and movements led to advanced ergonomics that deliver the same level of comfort that Zebra’s gun-style devices bring to the most scan intensive tasks. All features are available when the handle is installed, including the speaker and optional camera. And the trigger is rated for three million presses, providing years of use.

WiFi and cellular to connect any worker, anywhere
MC2200 WiFi only models give workers inside your facility the industry’s fastest and most dependable WiFi connections.[1] Use the MC2700 WiFi/cellular models in large outdoor spaces where there is poor coverage or a WiFi network is too expensive to deploy and maintain, such as yards and ports — or in the field to keep drivers and technicians connected. And with Bluetooth 5.0 and optional NFC, you get comprehensive wireless capabilities, providing a fast and easy connection to headsets, printers and more.

The right hardware and software features. The right ruggedness. Advanced ergonomics. All for the right price.
For more information, visit www.zebra.com/mc2200-mc2700

Built to serve your business for years

Water-resistant, dustproof, drops to concrete, snow, rain, heat, freezing cold — the MC2200/MC2700 mobile computers can handle it all. And two of the most vulnerable device components are fortified with Gorilla Glass — the display and the scanner exit window.

Zebra's most powerful 'ultimate series' Android platform

When it comes to platform, these devices stand at the top of their class, offering an advanced processor and the most advanced version of Android. The processor delivers desktop-like performance on even the most demanding applications, all with less power for longer battery cycle times. Android 11 provides the latest OS features, with support for future Android versions for superior future-proofing. And for businesses with other Zebra devices, the shared platform simplifies application deployment across different device types and device support.

Zebra's enterprise-class data capture

Get first-time every time capture of virtually any barcode in any condition — including damaged, dirty and poorly printed barcodes. PRZM Intelligent Imaging technology delivers split-second barcode capture, so workers aren't 'waiting for the beep'. With omni-directional barcode capture, there's no need to spend time aligning scanner and barcode. And the optional 13 MP high resolution camera enables the easy capture of a new layer of business intelligence — and offers three times the lifecycle of a consumer smartphone camera.

Disinfectant-ready to protect your workers

The MC2200 and MC2700 are built to handle frequent wipedowns with common disinfectants, including bleach, hydrogen peroxide and alcohol, to help prevent the spread or germs or illness between workers.

Full-shift battery power

The standard battery can power nearly two full shifts in any environment. The extended battery can provide around-the-clock power.[4] And when you need to swap batteries, with Warm Swap mode, there's no need to turn off the device or close apps..

The right accessories make device management easy

A full suite of business-class accessories includes multi-slot battery and device chargers for easy, cost-effective backroom management, a desktop single slot combination device and spare battery charger for specific locations, a variety of carrying options — hand straps and a holster, an attachable trigger handle and more.

Unparalleled value with out-of-the-box Mobility DNA tools

Add powerful enterprise features to standard Android

Mobility Extensions (Mx) provides over a hundred additional features that you can add to standard Android to improve security, data capture support, wireless connectivity and device manageability. You're always in charge — you decide what and when to activate.

Stage your devices for use in seconds with StageNow

Easily stage a handful or thousands of Android devices with a quick scan of a barcode or tap on an NFC tag. And with Restricted Mode, you decide if Google Mobile Services is right for your workers — just click to deactivate or reactivate.

Control access to features and apps with Enterprise Home Screen

Enterprise Home Screen puts you in charge of what your workers can do with your devices. And you can create different configurations for different teams — no developer required.

Enter barcodes into your apps, right out of the box

Zebra's DataWedge allows users to scan and send barcode data into your existing apps — no programming or application modification required.

Improve device uptime with Device Diagnostics

Eliminate the high cost of sending devices that don't need repair to the Zebra Repair Center. This simple-to-use tool allows administrators and end users to test the main systems on Zebra mobile computers with a press of a button to reveal whether the device can be fixed on site — or must be sent out for repair.

Powerful Options, Plus Wired-Quality Wi-Fi

Optional Mobility DNA Enterprise License

Unlock additional powerful tools to boost workforce productivity, device security and large deployment simplicity. Get superior voice quality and fast 'won't drop' data connections over your WiFi network with Full Fusion and WorryFree WiFi. Maximize data entry simplicity and accuracy with Enterprise Keyboard and Multi-Barcode Scanning. Easily track and find your missing devices with Device Tracker. Spot and replace aging batteries with PowerPrecision Console. And more.

Options for complete application flexibility

Run your existing TE apps on the MC2200/MC2700 with optional Zebra Terminal Emulation Lite™ — no host modifications, process changes or user training required. When you're ready to migrate to touchscreens, optional All-touch TE powered by Ivanti Velocity automatically transforms green screens into intuitive touch screens — no coding required. And with Zebra's Enterprise Browser, you can easily create feature-rich web apps that integrate all of the features in the MC2200 and MC2700 devices.

LifeGuard™ for Android™ — a lifetime security guard for Android[2]

Get the security updates you need to keep your devices secure every day they are in service — up to 8 years — more than twice the maximum 3.5 years provided by Google.

Specifications

Physical Characteristics

Dimensions	7.89 in. L x 2.76 in. W x 1.52 in. D 200.5 mm L x 70 mm W x 38.5 mm D
Weight	Standard battery: 10.4 oz./296 g Extended battery: 11.2 oz./316 g
Display	4 in. WVGA (800 x 480), LED backlight; color display; optically bonded to touch panel
Touch Panel	Capacitive touch panel; multi-touch; Corning® Gorilla® Glass
Power	Standard capacity 3500 mAh/12.60 Wh Extended capacity 4900 mAh/17.64 Wh
Imager Window	Corning® Gorilla® Glass
Expansion Slot	User accessible MicroSD slot up to 128 GB SDXC
SIM	One Nano SIM slot; optional eSIM (MC2700 only)
Notifications	Audible tone; multi-color LEDs; haptic feedback (China SKU only)
Keypad	34 key Numeric with FN keys; supports on-screen keypad
Voice and Audio	Internal speaker and microphone; Bluetooth wireless headset support; high quality speaker phone
Buttons	Physical scan, volume up/down; power
Network Connections	MC2200/MC2700: WLAN (WiFi), WPAN (Bluetooth), USB 2.0 High Speed (Host and Client) MC2700 only: WWAN (cellular)

Performance Characteristics

CPU	Qualcomm Snapdragon™ 660 octa-core, 1.8 GHz
Operating System	MC2200: Upgradeable to Android 14 MC2700: Upgradeable to Android 14
Memory	2 GB RAM/16 GB Flash memory 3 GB RAM/32 GB Flash memory
Security	Product is FIPS 140-2 validated. This security feature can be enabled on select configurations through a custom SKU request. Product supports Secure Boot, Verified Boot

User Environment

Operating Temp.	-4° F to 122° F/-20° C to 50° C
Storage Temp.	-40° F to 158° F/-40° C to 70° C
Humidity	5%-95% non condensing
Drop Spec.	Multiple 5 ft./1.52 m drop to concrete from 14° F to 122° F/-10° C to 50° C per MIL-STD 810G
Tumble Spec.	500 1.6 ft./0.5 m tumbles; meets and exceeds IEC tumble specifications
Sealing	IP65 per applicable IEC sealing specifications
Vibration	4g's PK Sine (5Hz to 2kHz); 0.04g 2/Hz

Data Capture

Scanning	SE4100 1D/2D standard range imager
Camera	Optional rear camera 13 MP Phase Detection Auto Focus, with Flash LED
NFC	ISO14443 Type A and B: FeliCa and ISO 15693 cards. P2P mode and Card Emulation via Host (HCE) support

Wireless WAN, Data Communications Only

Radio Frequency Band	MC2700 North America • UMTS: B2/B4/B5 • LTE: B2/B4/B5/B7/B12/B13/B14/B17/B66 • LTE: Category 6MC2700 Rest of World • GSM: 850/900/1800/1900 • UMTS: B1/B2/B3/B4/B5/B8/B9/B19 • LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B19/B20/B28 • LTE-TDD: B38//B40/B41 • LTE: Category 6MC2700 China • GSM: 850/900/1800 • UMTS: B1/B5/B8 • LTE-FDD: B1/B3/B5/B7/B8 • LTE-TDD: B38/B39/B40/B41 • LTE: Category 6
VoIP Communications	Optional Workforce Connect Voice[3] turns MC2200/MC2700 devices into fully-featured PBX handsets with a custom interface that makes it easy to execute even the most complex telephony features — eliminating the need to purchase and manage additional voice-enabled devices.
GPS	MC2700 only: Autonomous, Concurrent GPS; GLONASS; Gallileo; BeiDou, and A-GPS. Supports IZAT (TM) XTRA

Wireless LAN

WLAN Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v; Wi-Fi™ certified; IPv4, IPv6, 1x1 MU-MIMO
Data Rates	2.4 GHz: 802.11b/g/n — 20 MHz, 40 MHz — up to 150 Mbps 5 GHz: 802.11a/g/n/ac – 20 MHz, 40 MHz, 80 MHz – up to 433 Mbp
Operating Channels	Channel 1-13 (2412-2472 MHz): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13Channel 36-165 (5180-5825MHz): 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 149, 153, 157, 161, 165Channel bandwidth: 20, 40, 80 MHzActual operating channels/frequencies and bandwidths depend on regulatory rules and certification agency
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP and EAP-PWD; WPA3 Enterprise 192-bit Mode (GCMP-256) EAP-TLS; Enhanced Open (OWE)
Certifications	WFA (802.11n, WPA2-Personal, WPA3-Personal, WPA2-Enterprise, WPA3-Enterprise)
Fast Roam	802.11r (Over-The-Air); PMKID caching; Cisco CCKM; OKC

Markets and Applications

Warehousing/Distribution

- Put away
- Receiving
- Inventory
- Asset tracking

Yards/Ports

- Inventory
- Dock management
- Yard movement

Manufacturing

- Replenishment
- Work-in-Process (WIP)
- Quality control
- Asset tracking
- Inventory

Retail (Back of Store)

- Inventory
- Receiving/shipping
- Returns processing

Retail (Front of Store)

- Price check
- Inventory and cycle counts
- Buy-online-pickup-in-store (BOPIS)

Transportation and Logistics

- Delivery
- Proof of delivery
- Proof of condition

User Environment

	Random (20 Hz to 2 kHz); 60 minutes duration per axis, 3 axis
Scanner Window	Corning® Gorilla® Glass
Electrostatic Discharge (ESD)	+/-15 kV air discharge, +/-8 kV direct/indirect discharge;

Interactive Sensor Technology (IST)

Motion Sensor	3-axis accelerometer with MEMS Gyro

Wireless PAN

Bluetooth	Class 2, Bluetooth V5.0 with BR/EDR and Bluetooth Low Energy (BLE) support

Environmental Compliance

Environment
- RoHS Directive 2011/65/EU; Amendment 2015/863
- REACH SVHC 1907/2006For a complete list of product and materials compliance, please visit
www.zebra.com/environment

Mobility DNA Professional Integrated Solutions

DataWedge; Device Diagnostics; EMDK; Enterprise Home Screen; Mx Extensions; StageNow

Mobility DNA

Mobility DNA solutions help you get more value out of our mobile computers by adding functionality as well as simplifying deployment and management of our mobile devices. For more information on these Zebra-only features, of our mobile devices. For more information on these Zebra-only features, of our mobile devices. For more information on these Zebra-only features, please visit
www.zebra.com/mobilitydnaMobility DNA is available on Android only. Features may vary by model and a Support Contract may be required. To learn what solutions are supported, please visit: https://developer.zebra.com/mobilitydna

Warranty

Subject to the terms of Zebra's hardware warranty statement, the MC2200/MC2700 devices are warranted against defects in workmanship and materials for a period of one (1) year from the date of shipment. For complete warranty statement, please visit https://www.zebra.com/warranty

Recommended Services

The right service and support plan for the right price
Protect your MC2200/MC2700 mobile devices with Zebra OneCare™ SV, the right-priced service for Zebra's right-priced mobile devices. You get two years of protection against failure, coverage for normal wear and tear, live and online technical support, priority repair turnaround time and free shipping, as well as cloud-based visibility into reports on your devices — including repairs, tech support cases, contracts, LifeGuard Analytics for Android security patch status, and more. In addition, you can obtain coverage for accidental damage by either purchasing Zebra OneCare SV with Accidental Damage or adding Accidental Damage as an option. For more information on recommended services,
please visit
www.zebra.com/zebraonecare

Footnotes

1. Requires the purchase of the Mobility DNA Enterprise License.2. Included with all Zebra OneCare Support support agreement.3. Optional Zebra voice solutions available for purchase. The Mobility DNA Enterprise license is required to deploy Workforce Connect Voice and other 3rd party full duplex voice solutions for optimal performance and support. The Mobility DNA Enterprise license includes Zebra's Full Fusion, which improves the performance and clarity of voice-over-WiFi solutions.4. Based on typical user profiles.For details related to Common Criteria support, please visit:
www.zebra.com/commoncriteria

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