ENERGY ELECTRONICS

ZEBRA CAPTURE YOUR EDGE

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. Wi-Fi only and Wi-Fi/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, Flexibility and Features

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.

Wi-Fi and cellular to connect any worker, anywhere
MC2200 WiFi only models give workers inside your facility the industry’s fastest and most dependable Wi-Fi connections.[1] Use the MC2700 Wi-Fi/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.

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.

android enterprise recommended

Wi Fi CERTIFIED

FIPS VALIDATED 140-2

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 10 provides the latest OS features, with support for Android 11 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 — including damaged, dirty and poorly printed barcodes. PRZM Intelligent Imaging technology and omni-directional barcode capture deliver split-second results, so workers aren't 'waiting for the beep'. 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 powers nearly two full shifts in any environment. The extended battery can provide around-the-clock power. 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
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 simply click to deactivate or reactivate Google Mobile Services.

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
Reduce repairs costs. 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
Get superior voice quality and fast 'won't drop' data connections over your Wi-Fi network with Full Fusion and WorryFree Wi-Fi. 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 (Wi-Fi), 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	Android 10; upgradeable through Android 11* with Zebra's Restricted Mode for control over GMS and other services (* Support for future Android OS releases past A11/R are subject to Qualcomm validation.)
Android Enterprise Recommended (AER)	Google AER Certified
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 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
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 6 **MC2700 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 6 **MC2700 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[4]; 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, 13 Channel 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, 165 Channel bandwidth: 20, 40, 80 MHz Actual 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)[4] 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)

Continued on page 4

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

Certifications	WFA (802.11n, WPA2-Personal, WPA3-Personal, WPA2-Enterprise, WPA3-Enterprise[4])
Fast Roam	802.11r (Over-The-Air); PMKID caching; Cisco CCKM; OKC

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 1907/2006

For 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/mobilitydna

Mobility 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 http://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 Zebra OneCare Support Services

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. 802.11v and WAP3 available in Q4'20.

ENERGY ELECTRONICS

+1 (203) 439-5900
sales@energyelectronicsllc.com
https://energyelectronicsllc.com/
252, Depot Road, Milford, Connecticut, 06460, United States

ZEBRA

ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corp., registered in many jurisdictions worldwide. Android is a trademark of Google LLC. All other trademarks are the property of their respective owners. ©2021 Zebra Technologies Corp. and/or its affiliates. 09/09/2021