MC3300x Mobile Computer

The Ultimate Versatile, Lightweight-yet-rugged Key-based Touch Mobile Computer

Introducing the next evolution of our highly successful MC3000 family of keypad/touch mobile computers, packed with new features to tackle the ever increasing requirements of today's on-demand, e-commerce driven economy. You get the same proven fit-for-purpose ergonomic design, now with Zebra's latest, most powerful and secure Android architecture, including an extended range scanning option that captures barcodes on the top of your warehouse racks with ease, and a 35% larger capacity battery packs power for up to three shifts. All rugged specifications are higher for increased reliability — drop, tumble and sealing. And with the bright touch display, multiple keypad options and four form factor options, you can give your workers a device that will make on-the-job data capture easier than ever. Improve workforce productivity and efficiency from the manufacturing shop floor to the warehouse in your facility with the MC3300x — only from Zebra.

Powerful Features to Boost Productivity

More rugged and ready for all-day business
You get reliable operation and peace of mind with an increased 6 ft./1.8 m drop specification across the operating temperature, triple the tumble specification (3,000 3.3 ft./1 m); and now IP64 dustproof sealing. With Corning™ Gorilla™ Glass on the touch panel and scan window, your investment will be protected from regular wear and tear.

Superior performance on all your voice and data apps
Power even the most demanding apps of today and tomorrow with the most powerful processor and most memory in this class — every model offers an ultra-powerful 2.2 GHz octa-core processor and 4 GB RAM/ 32 GB Flash.

Power three shifts with the class-leading 7000 mAh battery
The new 7000 mAh extended capacity battery is standard with every MC3300x. More power means fewer battery changes, easier battery management, and a smaller battery pool with fewer batteries to purchase and manage, saving time and money on your deployment.

Maximum WiFi range and speed — with less power
2x2 Multiple-User Multiple Input Multiple Output (MU-MIMO) technology allows access points to communicate with multiple devices simultaneously via pinpoint beamforming, boosting WiFi network capacity, speed and range. And the processing is shifted from the mobile device to the access point, extending battery life.

The perfect combination: touchscreen and keypad
Whether your application requires touch or physical keypad input, we've got you covered. Your application can utilize the entire display, while the physical keypad provides the same familiar user input experience your workers have today. In addition, the touchscreen paves the way to migrate to intuitive touch-based interfaces. And with three different options, you can choose the right keypad for your data entry needs —alphanumeric, numeric and functional numeric.

The MC3300x — More Power, More Rugged and More Tools to Boost Productivity.
For more information, visit www.zebra.com/mc3300x

Bluetooth 5.0 — twice the speed, four times the range, less power

Speeds up to 2 Mbps improve the performance of Bluetooth peripherals, such as ring scanners, printers and headsets. The result? Faster application response times, faster printing and better voice quality. And battery runtime is also extended, since Bluetooth Low Energy reduces power consumption.

Integrated NFC for simple, split-second pairing

With a quick tap, workers can pair the MC3300x with Zebra's family of ring scanners, mobile printers, and Bluetooth headsets — your pairing possibilities are endless.

The Ultimate in Data Capture Performance and Options

Wide range of scanning options

Short, mid or long range 1D and 2D scanning — the SE4850 scan engine does it all. With its extended range, workers can capture barcodes in hand as close as 3 in./7.62 cm and on your uppermost warehouse racks — as far as 70 ft./21.4 m away. Capture the widest of barcodes at close range with the industry-leading field of view. The standard range 1D/2D SE4770 captures barcodes up to 24 in./60 cm away, and offers a large sweet spot for point-and-shoot simplicity. The SE965 delivers best in class 1D scanning, able to capture barcodes up to 16 feet away. No matter which scanner you choose, the MC3300x captures it all — even barcodes that are scratched, dirty, poorly printed or under shrinkwrap.

Capture high-resolution photos and video to streamline your business processes

The optional 13 MP rear-facing color camera makes it easy to capture photos and videos to document proof of condition, proof of compliance and more.

The Ultimate in Flexibility and Comfort

Scanning comfort for every worker with four models

Choose the model that best meets your scanning requirements: pistol grip for the most scan intensive tasks, rotating turret for scanning comfort in the widest range of hand positions, a 0° straight shooter for everyday standard and long range scanning, and a 45° straight shooter that brings exceptional ergonomics.

Unmatched ergonomics

Zebra's award-winning design team has done it again — the ergonomically balanced MC3300x provides all day comfort, even throughout the most scan intensive work day.

A lifetime security guard for Android

With LifeGuard™ for Android™, you get the security updates you need to keep your MC3300x mobile computers secure every day they are in service — along with an easy end-to-end control of the OS update process, plus built-in support for the next version of Android.

Powerful Zebra-only Mobility Dna™ Toolkit Puts the MC3300x in a Class of Its Own

Over 17 value-added tools boost workforce productivity, simplify device management and improve device performance

Start capturing and sending barcodes right to your applications, right out of the box with DataWedge. Find lost devices easily with Device Tracker. Ensure devices are used only for work with Enterprise Home Screen. Instantly stage a handful or thousands of devices with a quick scan of a barcode or tap on an NFC tag. Take your WLAN performance to the next level with WorryFree WiFi. Add basic push-to-talk capabilities with Push-to-Talk (PTT) Express or advanced PTT with Workforce Connect™ PTT Pro, an easy-to-launch subscription service. And you can turn your MC3300x into a fully-featured PBX handset with an easy-to-use customized interface with Workforce Connect Voice.

Support your Terminal Emulation (TE) apps right out of the box

Run your existing TE apps, right out of the box — no backend modification or user training required. Two solutions make it easy to transform your green screens to intuitive touch screens that boost productivity. All Touch Terminal Emulation (ATTE) powered by Wavelink, one of the world's most popular Terminal Emulators (TEs), is ready to use at no cost — pre-loaded on every model and pre-licensed on the gun-style model. And if you're using TekTerm with your legacy WinCE devices, StayLinked SmartTEK paves the way for easy migration to the Android-based MC3300x. And if you want to use a different TE, no problem — with support for leading TEs, the choice is yours.

Cost-effectively upgrade to next-generation technology

Backwards and forwards accessory compatibility

You can use most of the MC3200 and MC3300 accessories you already own, maximizing your current accessory investment to minimize the cost of upgrading.

MC3300x Specifications

Physical Characteristics

Dimensions	MC3300x Straight Shooter (45° Scan and 0° Scan): 7.96 in. L x 2.94 in. W x 1.35 in. D 202.2 mm L x 74.7 mm W x 34.5 mm DMC3300x Turret/Rotating Head: 8.79 in. L x 2.94 in. W x 1.35 in. D 223.4 mm L x 74.7 mm W x 34.5 mm DMC3300x Gun/Pistol: 7.96 in. L x 2.94 in. W x 6.45 in. D 202.6 mm L x 74.7 mm W x 163.9 mm D
Weight	MC3300x Straight Shooter (0° Scan): 15.7 oz./445 g MC3300x Turret/Rotating Head: 16.2 oz./460 g MC3300x Gun/Pistol: 18.4 oz./522 g MC3300x (45° Scan): 15.9 oz./450 g
Display	4 in. WVGA (800 x 480), LED backlight, color display
Imager Window	Corning™ Gorilla™ Glass
Touch Panel	Corning™ Gorilla™ Glass touch panel with air gap; supports dual input mode with finger, gloved finger and stylus (conductive stylus sold separately)
Power	All models ship with rechargeable Li-Ion, 3.6V, 7000mAh PowerPrecision+ battery; full charge under five (5) hours; hot swap support with temporary WLAN/Bluetooth session persistence Backwards compatibility with MC3300 2740mAh (1X) and 5200mAh (2X) batteries
Expansion Slot	User accessible MicroSD with 32GB SDHC and up to 512GB SDXC
Network Connections	USB 2.0 High Speed OTG (Host and Client) WLAN (WiFi), WPAN (Bluetooth)
Notification	Audible tone, multi-color LEDs
Keypad	Numeric (29 key), Function Numeric (38 key), Alpha Numeric (47 key)
Voice	PTT Express and Workforce Connect PTT Pro (Internal speaker, microphone and Bluetooth wireless headset support)
Audio	Built-in speaker and microphone
Buttons	Two programmable side scan keys

Performance Characteristics

CPU	Qualcomm Snapdragon™ 660 octa-core, 2.2 GHz
Operating System	Upgradeable to Android 14
Android Enterprise Recommended (AER)	Android Enterprise Recommended (AER)
Memory	Worldwide: 4 GB RAM/32 GB Flash Memory China only: 4 GB RAM/16 GB Flash Memory

Interactive Sensor Technology (IST)

Motion Sensors	3-axis accelerometer with MEMS gyroscope

Data Capture

Scanning	MC3300x Brick/Straight Shooter (0° Scan): SE965 1D, SE4720/SE4770 2D, SE4850 ERIMC3300x Turret/Rotating Head: SE965 1D LaserMC3300x Gun/Pistol: SE965 1D, SE4720/SE4770 2D, SE4850 ERIMC3300x (45° Scan): SE4770 2D
Rear Camera	13MP color camera with LED flash (optional on Straight Shooter and Turret configurations only)
NFC	ISO14443 Type A and B: FeliCa and ISO 15693 cards. P2P mode and Card Emulation via Host (HCE) support

Wireless LAN

Radio	IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v1/w/mc1; Wi-Fi™ certified; IPv4, IPv6, 2x2 MU-MIMO
Data Rates	5GHz: 802.11a/n/ac — up to 866.7 Mbps 2.4GHz: 802.11b/g/n — up to 300 Mbps
Operating Channels (depending on Regulatory)	Channel 1-13 (2412-2472 MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13 Channel 36-165 (5180-5825 MHz): 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) — 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, 802.11ac, PMF, Wi-Fi Direct, WMM-PS, WMM-AC, Voice Enterprise
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

Regulatory

EMI/EMC	FCC Part 15 Subpart B Class B; ICES 003 Class B; EN 301 489-1; EN 301 489-3; EN 55024; EN 55032 Class B
Electrical Safety	UL 60950-1, CAN/CSA C22.2 No. 60950-1, IEC 60950-1, EN 60950-1

Markets and Applications

Warehousing/Distribution

- Warehouse management
- Picking and putaway
- Returns processing/reverse logistics
- Voice-directed applications
- EDI transactions
- Yard management

Manufacturing

- Inventory management
- Supply-line replenishment
- Safety testing
- Parts tracking

Retail

- Backroom/warehouse management
- Price verification/updates
- Store receiving
- Picking and putaway
- Inventory management
- In-store communications
- Voice-directed applications

Performance Characteristics

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% to 95% RH (Non-condensing)
Drop Specifications	Multiple 6 ft./1.8 m drops to concrete across the operating temperature range per MIL-STD-810G
Tumble Specifications	3,000 3.3 ft. /1.0 m tumbles; meets and exceeds IEC tumble specification
Sealing	IP64 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
Electrostatic Discharge (ESD)	+/- 15kV air, +/-8kV contact discharge +/-8kV indirect contact discharge

Regulatory

RF Exposure	EU: EN 50364, EN 62369-1, EN 50566, EN 62311 USA: FCC Part 2, 1093 OET Bulletin 65 Supplement 'C' Canada: RSS-102

Environmental Compliance

• 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

Warranty

Subject to the terms of Zebra's hardware warranty statement, the MC3300x is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit:
https://www.zebra.com/warranty

Recommended Services

Zebra OneCare Essential and Select: Maximize Zebra device availability, device value and operational efficiency with these fully-featured support services that set the industry bar for support.
Zebra VisibilityIQ™ Services: Improve device value with Zebra's optional VisibilityIQ™ Services. VisibilityIQ gives the data-driven, actionable insight to get the most from your devices, workers and daily tasks. VisibilityIQ™ Foresight aggregates big data onto a single, color-coded, cloud-based pane of glass, translating it into actionable insight to streamline workflow. VisibilityIQ™ DNA provides a view into key DNA tools, and VisibilityIQ™ OneCare™ cloud-based dashboard offers visibility into repairs, tech support, software security status and more.

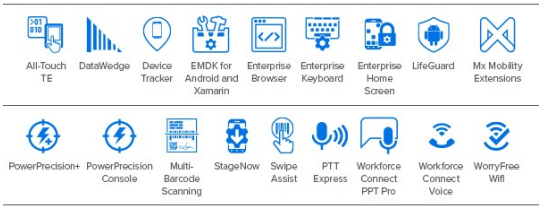
Footnotes

For details related to Common Criteria support, please visit:
www.zebra.com/commoncriteria

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, 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



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