

# ET51/ET56 Windows Enterprise Tablet

## The surprisingly rugged, thin and light tablet

When it comes to choosing a tablet for your business, your workers want sleek consumer styling, while you need enterprise-class durability, data capture and an accessory family that allows you to create the perfect tablet solution for your environment, workers and apps. Now you can have it all with the ET51 and ET56 Enterprise Tablets. The thinnest and lightest of the full line of Zebra rugged tablet computers, the ET51 and ET56 provide your workers with the same great styling they love on their personal tablet. You get a tablet built to handle all-day, everyday business, inside and outside your four walls. Both the compact 8.4 inch or full-size 10.1 inch model have bright, daylight viewable displays, and are loaded with features that make data capture easy. And a wide range of accessories boost ruggedness, simplify charging, extend battery life and make this tablet easy to carry and easy to wear. The ET51/ ET56 Enterprise Tablets — all the features your business needs, with the consumer good looks your workers want.



### **Built for All-Day Every-Day Business**

#### Rugged and Ready to Use Indoors and Outside

Virtually nothing will stop your tablets from delivering the reliable operation you need — it's built to handle drops to concrete, rain, snow, dust, extreme heat, subzero temperatures, spilled liquids and even a hose-down at full force. And you can virtually double the concrete drop specification from 3.2 ft./1 m to 5.9 ft./1.8 m with the optional rugged frame. The Corning® Gorilla® Glass display provides shatter- and scratch-resistance, protecting one of the most vulnerable components on any tablet. And vibration testing ensures this tablet is ideal for use in practically any vehicle, from forklifts in a warehouse to delivery and other trucks out on the road.

#### Class-Best Brightness and Your Choice of Screen Size

The compact, small and light 8.4 in. model is ideal when size and weight are most important. The 10.1 in. model is ideal for information intensive apps, providing maximum display area. No matter which display you choose, you get class-best brightness that makes the ET51/ET56 the easiest to read tablets in virtually any lighting conditions — including bright sunlight.

#### **Advanced Touchscreen Technology**

Workers can choose their preferred data input mode: a finger, with or without a glove; or a passive stylus for more precision. And every input mode works, even if the display is wet.

# The Fastest Wireless Connections Inside and Outside the Four Walls

With support for 802.11, the ET51 and ET56 work on virtually any WiFi network. And with support for LTE on the ET56, you can give workers in the field a dependably fast cellular connection just about anywhere in the world. The result? The constant connectivity your workforce needs to improve productivity and customer service quality.

#### Perpetual 24x7x365 Power

The removable battery ensures that the ET51 and ET56 never need to be taken out of service to charge — just swap in a fully charged battery at any time. And if you're looking to power the longest of shifts, just add a second optional hot-swappable battery via the innovative expansion back to more than double the battery run time.

#### The Power to Run the Most Demanding Apps

The fast, ultra-low power processor combines with plenty of memory, allowing workers to run multiple apps simultaneously. And the processor minimizes power consumption, extending useful battery life.

## **Advanced Data Capture**

#### **Advanced Enterprise-Class Scanning**

Add the Zebra enterprise-class SE4710 scan engine for light scanning or SE4750 scan engine for moderate to heavy scanning via the easy to install and easy to use expansion back. Or pick any Zebra Bluetooth scanner to pair with your tablet. And for occasional imaging, just use the integrated 8MP rear-facing color camera.\* No matter which scanning option you choose, you can count on superior scanning performance. Our scanners offer PRZM Intelligent Imaging and the advanced algorithms that Zebra is famous for, providing your workers with first-time every-time fast capture of virtually any 1D or 2D barcode in any condition — damaged, dirty or poorly printed.

#### Video Calls for On-The-Spot Help

The integrated 2MP front camera enables video calling over the WiFi or cellular network, allowing your workers to get instant help from a remote expert, co-worker or supervisor.

## Customize Your Tablet Solution with an Unmatched Accessory Family

#### The Most Charging Options

Charging solutions that mount on a wall or sit on a desktop enable charging anywhere in your facility. The unique ShareCradle provides space- and cost-efficiencies in the backroom by providing a common base to charge all your Zebra mobile computers and tablets — just insert the right cups for your devices in the charge bays. Charge the tablets in cars, trucks, forklifts and more with third-party vehicle cradles for cars and vehicle mounts. And docking station charging solutions available for either the standalone tablet or the tablet inside the rugged frame offer three USB ports, Ethernet and HDMI, providing all the connectivity you need to use the ET51/ET56 as a desktop solution and more. Or merely utilize charging through the USB-C port.

#### **Innovative Expansion Back to Add New Features**

Simply replace the standard battery back with one of three Expansion Backs to add a rotating handstrap, or the SE4710 or SE4750 enterprise scan engine with a rotating handstrap. And the optional hot swappable battery can be added to any Expansion Back for around-the-clock power.

#### Flexible 'Wearability'

One flexible case provides your workers with three 'wearable' options: in a holster on a belt, in an over-the-shoulder strap or a cross-body strap.

#### **Unsurpassed Service**

#### Extraordinary 'Cover Everything' Service

Zebra OneCare sets the industry standard for repair services, keeping your ET51 and ET56 tablets up, running at peak performance — and in like new condition. Choose the level of service that fits your needs and your budget. And no matter which level you choose, you get comprehensive coverage that literally covers everything — normal wear and tear and accidental damage. And since nobody knows our products better than we do, you get unparalleled from-the-manufacturer expertise.

# **Specifications**

Physical Character	
Dimensions	8.4 in. tablet: 9 in. W x 5.9 in. H x 0.5 in. D/ 228 mm W x 150 mm H x 12.7 mm D 10.1 in. tablet: 10.6 in. W x 7.1 in. H x 0.5 in. D/ 269 mm W x 181 mm H x 12.7 mm D
Weight	8.4 in.: 1.26 lbs./570 g; 10.1 in.: 1.69 lbs./765 g
Display	8.4 in.: 21.3 cm; 720 nits 10.1 in.: 25.7 cm; 540 nits Supports up to 2560x1600; Corning Gorilla Glass; daylight viewable
Touch Panel	Capacitive 10 point multi-touch
Keyboard Options	Virtual; Bluetooth®; USB
Expansion	Integrated connector to easily add accessories
Connectivity	Docking connector (charge and data) Rugged connector for use with rugged dock (charge and data) USB-C port (data or charging)
Notification	LED flash; barcode decode;** camera LED indicate
Audio	Stereo speakers and dual front-facing microphone
Performance Char	acteristics
СРИ	Intel Atom E3940 quad core 1.6 GHz (Turbo Frequency = 1.8 GHz) Frequency supports 64 bit C
Operating System	Windows 10 IoT Enterprise
Memory	4GB LPDDR4 RAM; 64GB eMMC Flash; User accessible micro SDXC card slot (standard suppor up to 2TB)
User Environment	
Operating Temp.	-4° F to 122° F/-20° C to 50° C
Storage Temp.	-4° F to 140 ° F/-20° C to 60° C
Drop Specification	Standard: 3.28 ft./1 m to concrete per MIL-STD- 810G With optional rugged frame: 5.9 ft./1.8 m to concrete per MIL-STD-810G
Sealing	IP65
Vibration	Random: 0.02²/Hz, 20Hz to 2khz 4g RMS 1 hour per axis
Humidity	5% to 95% non-condensing
Power	
Battery User Profile	Ample power for a full shift; continuous operation enabled with the secondary optional battery
Battery	8.4 in.: 3300 mAh 7.6V rechargeable Li-lon; user replaceable (25 Whr) 10.1 in.: 4950 mAh 7.7V rechargeable Li-lon; user replaceable (38 Whr) Optional hot swappable 7.2V @ 3400mAh (24.4Wl secondary battery (equivalent to 3.6V @ 6800mA USB-C charging: Supports USB-PD (Power Delivery) charging on USB-C connector up to 18W (9V and 12V modes) via Zebra's power supply (PWRWUA5V12W0) and cable (CBLTC2XUSBC-01)

Data Capture	
Scanning	Available through the expansion back accessory: SE4750 or SE4710 integrated advanced imagers with hardware decoding
Rear Camera	Image capture: 8MP auto-focus camera with user controllable LED flash, illumination and aiming; photographs, video, signatures and documents
Front Camera	2MP 1080p full HD optimized for video collaboration and low lighting conditions
Video	1080p (Full HD, 1920 x 1080), Frame rate = 30fps
Wireless Communic	ations
WiFi (WLAN)	802.11 a/b/g/n/ac/r/k/v; dual band 2x2 MIMO for transmit and receive
Cellular (WWAN) (ET56 only)	Global LTE North America: AT&T LTE Verizon LTE
Bluetooth (WPAN)	Class 1, Bluetooth v4.2 (Bluetooth LE)
GPS	GNSS supports GPS, Galileo and Glonass with LT technology for Assisted-GPS without sacrificing autonomous operation
NFC	P2P: ISO 18092; Reader/Writer: ISO 14443 –A-B, MIFARE, FeliCa®, ISO 15693, NFC Forum Tag Typ 1 to 4; Card emulation: ISO 14443 –A-B-B', MIFAR FeliCa RF
Sensors	
Gyroscope	Maintains orientation based on principles of conservation of angular momentum
Motion Sensor	3-axis accelerometer that enables motion sensin applications for dynamic screen orientation and power management
Ambient Light Sensor	Automatically adjusts display brightness, keypac and display backlight
Electronic Compass	Independent — does not depend on GNSS
Peripherals and Acc	essories
cradle (third party); single rugged frames; expansion and optional battery bay o	eCradles (4-slot); docking stations; vehicle mount slot charge cradle; 4-slot optional battery charger back to easily add accessories (scanner/hand strar hand strap); keyboard case for 2-in-1 use; passiverap; charging cables and more
Regulatory	
For Regulatory information	n, please visit www.zebra.com/et5X
Warranty	
Enterprise Tablets are war	bra's hardware warranty statement, the ET51/ET56 rranted against defects in workmanship and materi from the date of shipment. For complete warranty

### Markets and Applications

#### Field Service

- Mobile dispatch
- Work order management
- Maintenance/ inspection

#### Field Sales

- Route accounting/ DSD
- Merchandising/ survey
- Mobile payment

# Transportation and Logistics

- PoD/DSD sign off
- · Routing/scheduling
- Cargo/container tracking
- Fleet maintenance

#### Retail

- Inventory
   management
- Assisted selling
- Line busting

#### Warehouse and Distribution

- Warehouse and yard management
- EDI transactions

## Manufacturing

- Supply-line replenishment
- Safety testing
- · Maintenance/repair
- Compliance verification

#### PRODUCT SPEC SHEET

ET51/ET56 WINDOWS ENTERPRISE TABLET

#### **Recommended Services**

Zebra OneCare Select and Essential Support Services (www.zebra.com/zebraonecare) maximize the availability and productivity of your devices. Features include 24/7 technical support, device diagnostics, comprehensive coverage, advance replacement and software updates. Optional Visibility Services are available.

#### **Footnotes**

- \* The integrated 8MP color camera does not offer PRZM, Zebra's advanced scanning algorithms or Intelligent Document Capture. Those options are only available on Zebra scanners that are integrated via the expansion pack and Zebra's Bluetooth scanners, such as the RS6000 ring scanner, the CS4070 pocketable companion scanner and Bluetooth handheld scanners.
- \*\* Decode available when equipped with optional barcode scanner back.





# ET51/ET56 Android Tablet

## The surprisingly rugged, thin and light enterprise tablet

When it comes to choosing a tablet for your business, your workers want sleek consumer styling, while you need enterprise-class durability, data capture and an accessory family that allows you to create the perfect tablet solution for your environment, workers and apps. Now you can have it all with the Android ET51 and ET56 Enterprise Tablets, the thinnest and lightest Zebra rugged tablet computers. Your workers get a personal tablet that looks and feels just like their own, while you get a device family with the durability, ease-of-use, data capture capabilities and flexibility your business requires. Android provides instant familiarity, enabling rapid adoption and minimal training requirements — while Zebra's powerful Mobility DNA provides over a dozen highly valuable tools that boost business-class performance, ease-of-use, security and manageability above the competition. And all the right accessories make the compact 8.4 inch and full-size 10.1 inch models easy to carry and easy to wear, inside your facility and out in the field. The ET51/ ET56 Enterprise Tablets — all the features your business needs, with the consumer good looks your workers want.



#### **Built for All-Day Every-Day Business**

### Rugged and Ready to Use Indoors and Outside

Virtually nothing will stop your tablets from delivering the reliable operation you need — it's built to handle drops to concrete and plywood, rain, snow, dust, extreme heat, subzero temperatures, spilled liquids and even a hose-down at full force. And you can virtually double the concrete drop specification from 3.3 ft./1 m to 5.9 ft./1.8 m with the optional rugged frame. The Corning® Gorilla® Glass display provides shatter- and scratch-resistance, protecting one of the most vulnerable components on any tablet. And vibration testing ensures this tablet is ideal for use in practically any vehicle, from forklifts in a warehouse to delivery and other trucks out on the road.

# Best-In-Class Resolution, High Brightness and Choice of Screen Sizes

No matter which display you choose, you get astounding resolution plus amazing brightness that makes the ET51/ET56 easy to read in virtually any lighting conditions — including bright sunlight. The compact, small and light 8.4 in. model is ideal when size and weight are most important. The 10.1 in. model is ideal for information intensive apps, providing maximum display area.

#### **Advanced Touchscreen Technology**

The high resolution screen delivers sharp text and clear graphics for superior readability. The touchscreen works with a finger — even with a glove — or a passive stylus for more precision. And even if the display is wet, every input mode works.

# The Fastest Wireless Connections Inside and Outside the Four Walls

Multiple features boost WiFi network capacity, speed and range for unprecedented WiFi performance. 2x2 Multi-User, Multiple Input, Multiple Output (MU-MIMO) allows access points to communicate with multiple devices simultaneously and shifts processing from mobile devices to access points, extending battery cycle time. WorryFree WiFi delivers near instant application response times, unmatched roaming performance, plus exceptional voice quality and network diagnostics — everything you need to maximize WiFi performance and workforce productivity. Bluetooth 5.0 delivers twice the speed and four times the range with less power compared to 4.x, so you can expect the best performance from your Bluetooth peripherals, including scanners, headsets and printers. And in the field, workers all around the world get fast and dependable cellular connections with support for data-only LTE on the ET56.







#### Perpetual 24x7x365 Battery Power

To power the longest of shifts, just add a second optional hotswappable battery via the innovative expansion back to more than double the battery run time. The internal battery in ET51/ET56 is field replaceable when needed, extending product life cycle, increasing the return on your investment and protecting workforce productivity.

The Processing Power to Run Even the Most Demanding Apps Get all the power you need to deliver superior application performance with the ultra-powerful 8-core processor.

#### **Advanced Data Capture**

#### **Advanced Enterprise-Class Scanning And More**

Add the Zebra enterprise-class SE4750 scan engine via the easy-to-install and easy-to-use expansion pack to scan 1D and 2D barcodes, plus letter, legal, A4 and A5 documents. Pair any Zebra Bluetooth scanner with your tablet — including a lightweight wearable ring scanner for intensive scanning tasks. No matter which scanning option you choose, you get the performance that sets the industry bar for enterprise-class scanning. PRZM Intelligent Imaging and advanced algorithms deliver first-time, every-time, fast capture of virtually any barcode in practically any condition — damaged, dirty or poorly printed. Just need occasional scanning? The integrated 13MP rear-facing color camera can do the job — as well as capture high resolution photos, videos, signatures and documents.<sup>1</sup>

#### Video Calls for On-the-Spot Help

The integrated 5MP front camera enables video calling over the WiFi or cellular network, allowing your workers to get instant help from a remote expert, co-worker or supervisor.

# **Customize Your Tablet with an Unmatched Accessory Family**

## The Most Charging Options

Charging solutions that mount on a wall or sit on a desktop enable charging anywhere in your facility. The unique ShareCradle provides space- and cost-efficiencies in the backroom by providing a common base to charge all your Zebra mobile computers and tablets — just insert the right cups for your devices in the charge bays. Third-party vehicle cradles enable charging in cars, trucks, forklifts and more. And docking station charging solutions for either the standalone tablet or the tablet inside the rugged frame offer three USB ports, Ethernet and HDMI, providing all the connectivity you need to use the ET51/ET56 as a desktop solution and more. Or merely utilize charging through the USB-C port.

#### Innovative Expansion Back to Add New Features

Simply replace the standard battery back with an Expansion Back to add a rotating handstrap or the SE4750 enterprise scan engine with a rotating handstrap. And the optional hot swappable battery can be added to any Expansion Back for around-the-clock power.

#### Flexible 'Wearability'

A single flexible accessory, the Operations Case, provides your workers with three 'wearable' options: on a shoulder, cross-body or holster-style on a belt. And you can add a hand strap via the Expansion Back for easy and secure one-hand carrying and use.

#### The Ultimate In Manageability and Os Update Simplicity

#### Get a Lifetime Security Guard for Android

With Zebra's LifeGuard<sup>TM</sup> for Android<sup>TM</sup>, you get the security updates you need to keep your Zebra Android devices secure every day they are in service — along with easy, revolutionary end-to-end control of the OS update process.

#### **Android OS Updates Made Easy**

The update process for enterprise-class Android mobile devices is often time-consuming, costly, complex and difficult to track. With LifeGuard Analytics — free with your Zebra OneCare Support contract — you can view available Android updates, their priority level and which devices are eligible for the update. You can automatically update devices over the air — and monitor the status of updates in real time. The result? Superior future proofing and a lower total cost of ownership.

# The Ultimate in Value With Mobility DNA — Only From Zebra

# Improve Ease-of-Use, Manageability, Performance, Security and Application Development Simplicity for Your Zebra Android Devices

Mobility DNA's large family of applications makes Zebra Android devices easier to use, easier to manage and easier to secure, while simplifying application development. For example, easily track and find misplaced devices with Device Tracker. Identify device issues that can be repaired on site to eliminate needless trips to the Zebra Repair Center — and device downtime — with Device Diagnostics. Easily stage devices for use — including disabling any Google Mobile Services (GMS) that come standard with Android that may not be suitable for use in your business. Enable workers to use only the applications and device features you specify with Enterprise Home Screen. Create a customized onscreen keyboard that enables faster data entry with Enterprise Keyboard. And much more.

# **Specifications**

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Dimensions	8.4 in. tablet: 9 in. W x 5.9 in. H x 0.5 in. D 228 mm W x 150 mm H x 12.7 mm D 10.1 in. tablet: 10.6 in. W x 7.1 in. H x 0.5 in. D 269 mm W x 181 mm H x 12.7 mm D
Weight (Battery included)	ET51 8.4 in.: 1.12 lbs/514 g ET56 8.4 in.: 1.15 lbs/527 g ET51/56 10.1 in.: 1.60 lbs/745.5 g
Display	8.4 in./21.3 cm; 720 nits 10.1 in./25.7 cm; 540 nits Supports up to 2560x1600 Corning Gorilla Glass; daylight viewable
Touch Panel	Capacitive 10 point multi-touch
Keyboard Options	Virtual; Bluetooth®; USB-C
Expansion	Integrated connector to easily add accessories
Connectivity	Docking connector (charge and data) Rugged connector for use with rugged dock (charge and data) USB-C port (data or charging)
Notification	LED flash; barcode decode; <sup>2</sup> ; system and OS notification LED indicator; charge LED indicator
Audio	Stereo speakers and dual front-facing microphones
Performance Cha	racteristics
CPU	Qualcomm Snapdragon™ 660 octa-core 2.2 GHz
Operating System	ET51: Android 11; upgradeable to Android 14 ET56: Android 11; upgradeable to Android 14 Q3 2021
Memory	4GB LPDDR4 SDRAM Discrete / 32GB MLC eMMC Flash; user accessible micro SDXC card slot (standard supports up to 2TB)
User Environment	
Operating Temp.	-4° F to 122° F/-20° C to 50° C
Storage Temp.	-4° F to 140 ° F/-20° C to 60° C
Drop Specification	Standard: 3.3 ft./1 m to concrete per MIL-STD-810G With optional rugged frame: 5.9 ft./1.8 m to concrete per MIL-STD-810G
Sealing	IP65
Vibration	Random: 0.02 <sup>2</sup> /Hz, 20Hz to 2khz 4g RMS1 hour per axis
Humidity	5% to 95% non-condensing
Power	
Battery User Profile	Ample power for a full shift; continuous operation is enabled with the secondary optional battery
	enabled with the secondary optional battery

Battery	8.4 in.: 6440 mAhr, 3.8V, rechargeable Li-Polymer; user replaceable (24.4 Whr) 10.1 in.: 9660 mAhr, 3.85V rechargeable Li-Polymer; user replaceable (37.1 Whr) Optional hot swappable 3400mAh, 7.2V (24.4Whr) secondary battery (equivalent to 3.6V @ 6800mAh) USB-C charging: Supports USB-PD (Power Delivery) charging on USB-C connector up to 18W (9V and 12V modes) via Zebra's power supply (PWRWUA5V12W0) and cable (CBL-TC2XUSBC-01)
Data Capture	
Scanning	Available through the expansion back accessory: SE4750 integrated advanced imager with hardware decoding
Rear Camera	Image capture: 13MP auto-focus camera with user controllable LED flash, illumination and aiming; photographs, video, signatures and documents
Front Camera	5MP 1080p full HD optimized for video collaboration and low lighting conditions
Video	1080p (Full HD, 1920 x 1080), frame rate = 30fps
Wireless Communic	cations
WiFi (WLAN)	WLAN: 802.11 a/b/g/n/d/h/i/k/r/ac; IPv4; IPv6; dual band 2x2 MIMO for transmit and receive
Cellular (WWAN) (ET56 only)	Global LTE (data only) North America LTE (data only): AT&T and Verizon
Bluetooth (WPAN)	Bluetooth v5.0 / 2.1+EDR Class 2 (Bluetooth LE)
GPS (ET56 only)	GNSS supports GPS, Galileo and Glonass with LTO technology for Assisted-GPS without sacrificing autonomous operation
NFC	P2P: ISO 18092; Reader/Writer: ISO 14443 –A-B, MIFARE, FeliCa® ISO 15693, NFC Forum Tag Types 1 to 4; Card emulation: ISO 14443 –A-B-B', MIFARE, FeliCa RF
Sensors	
Gyroscope	Maintains orientation based on principles of conservation of angular momentum
Motion Sensor	3-axis accelerometer that enables motion sensing applications for dynamic screen orientation and power management
Ambient Light Sensor	Automatically adjusts display brightness, display backlight
Peripherals and Acc	cessories
cradle (third party); single rugged frames; expansion	eCradles (4-slot); docking stations; vehicle mount slot charge cradle; 4-slot optional battery charger; n back to easily add accessories (scanner/hand strapor hand strap); keyboard case for 2-in-1 use, passive

stylus; holster; shoulder strap; charging cables and more

### Markets and Applications

#### Retail

- Inventory management
- Assisted selling
- Line busting

#### Field Service

- · Mobile dispatch
- Work order management
- Maintenance/ inspection

#### Field Sales

- Route accounting/ DSD
- Merchandising/ survey
- Mobile payment

# Transportation and Logistics

- PoD/DSD sign off
- · Routing/scheduling
- Cargo/container tracking
- Fleet maintenance

### Warehouse and Distribution

- Warehouse and yard management
- EDI transactions

## Manufacturing

- Supply-line replenishment
- Safety testing
- · Maintenance/repair
- Compliance verification

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#### Regulatory

For Regulatory information, please visit www.zebra.com/et5X

#### Warranty

Subject to the terms of Zebra's hardware warranty statement, the ET51/ET56 Enterprise Tablets are 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.zebra.com/warranty

#### **Recommended Services**

Zebra OneCare Select and Essential Support Services (www.zebra.com/ zebraonecare) maximize the availability and productivity of your devices. Features include 24/7 technical support, device diagnostics, comprehensive coverage, advance replacement and software updates. Optional Visibility Services are available.

#### **Footnotes**

- 1. The integrated rear color camera does not offer PRZM, Zebra's advanced scanning algorithms or Intelligent Document Capture. Those options are only available on Zebra scanners that are integrated via the expansion pack and Zebra's Bluetooth scanners, such as the RS6000 ring scanner, the CS4070 pocketable companion scanner and Bluetooth handheld scanners.
- 2. Decode available when equipped with optional barcode scanner back.

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











































