# L10 Android™ Rugged Tablets

## The ultimate XPAD, XBOOK 2-in-1 and XSLATE 10.1 inch 'go-anywhere' tablets

Put the power of mobile data in the hands of workers in your most demanding environments with Zebra's L10 Android Rugged Tablet family. Choose from three models that meet the needs of workers out in the field in oil and gas, mining, telecommunications, construction and the military — as well as in warehouses and manufacturing plants. Customize your L10 tablets with enterprise accessories that simplify everyday use. The rugged go-anywhere design is at home indoors, outside, in freezers, sub-zero cold and blazing heat, in forklifts and trucks, and even in bright sunshine. An advanced platform delivers blazing fast performance on all your apps, a battery that provides full shift or around-the-clock power with a single charge, plus the fastest wireless connections — WiFi, Bluetooth, cellular, GPS and NFC. Manage Android updates with pushbutton simplicity. And with Mobility DNA, you get valuable only-from-Zebra applications that take device performance, ease-of-use, manageability and security to the next level.

No matter which model you choose, you get the same great rugged design, CPU platform, common user experience and consistent support for all of your applications.

**Customize with Mix-and-Match Accessories**
No matter what models you choose, you get one enterprise-class accessory family that works with them all. Purchasing and managing accessories is easier. And you can simplify everyday use for your workers with a choice of industrial and vehicle docks; a carrying case, a shoulder strap, a kickstand and more.

## The Ultimate in Power

**Maximum Power for Maximum Application Performance**
Get all the power you need for superior performance on all your applications and programs with the ultra-powerful 8-core processor, plenty of memory and fast, eMMC storage.

**Unmatched Battery Power — and Battery Management**
Get full shift power with the standard battery and up to 24 hours of power with the extended battery[4]. With a removable hot-swappable battery, your L10 tablets are always in service — never in a charging dock.

## The Ultimate in Rugged Android Versatility

**Meet the Needs of Practically Any Job with Three Models**
The XBOOK L10 offers the ultimate in flexibility — use it as a laptop replacement with the fully-functional keyboard for heavy data entry, remove the keyboard for easy use while standing or walking, or mount in any vehicle with a companion vehicle dock. For workers who spend their day on their feet, an integrated handle makes the XPAD L10 easy to carry. And the XSLATE L10 is the smallest and lightest model for workers who need a traditional tablet design..

## The Ultimate in Reliability and Usability

**A Built-to-Last Rugged Design**
This waterproof, dustproof and drop-proof tablet is built to handle it all. Drop it on concrete. Get it wet — even if the port covers are open. Use it in extreme heat and subzero cold, inside a truck, car or forklift — or where hazardous materials are present.1 And the lightweight magnesium frame is stronger than steel and won't twist, so you get durability without adding weight.

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**Glacier Computer**
603.882.1560 Ext. 6
sales@glaciercomputer.com
www.glaciercomputer.com

**A Large 10.1 in. Display with all the Right Features**

Virtually nothing stops users from entering information on the advanced multi-touch display — including gloves, rain and snow. Users can choose their preferred data entry mode, finger or stylus. Corning Gorilla Glass delivers maximum scratch-and-impact resistance to this most vulnerable device component. The bright 500 nit display is easy to see in just about any lighting condition, while the optional ultra-bright 1000 nit View Anywhere® display is easy to see, even in direct sunlight.

## The Ultimate in Productivity with Enterprise Data Capture and Voice-Over-IP (VoIP)

**Front and Rear Cameras for Double the Functionality**

Enable video calling with the 5 MP front color camera, allowing your workers to get the instant on-site help they need to resolve technical equipment issues and more. Capture highly detailed photos and videos with the 13 MP color rear camera — ideal for split-second capture of proof-of-condition/delivery/service, onsite technical support and more.

**Flawless Capture of Virtually Any Barcode in Any Condition**

With the integrated Zebra SE4710 enterprise-class scan engine (optional on XPAD L10 only), workers can capture barcodes as fast as they can press the scan button — even if they are scratched, dirty or poorly printed.

**Doubles as a Walkie-Talkie — with No Extra Cost**

With Push-to-Talk Express pre-loaded and pre-licensed on all L10 models, your workers get instant push-to-talk capability over your existing WiFi network, right out of the box.

## The Ultimate in Connectivity

**Longer 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 processing is shifted from the mobile device to the access point, extending battery cycle time.

**Bluetooth 5.0 — Twice the Speed, Four Times the Range, Less Power**

Get better performance from your Bluetooth printers, headsets and more, while using less power for longer battery cycle times.

**The Fastest Cellular Connections**

With support for 4G LTE, your workers are connected all around the world — even in vehicles and densely populated or remote areas. And with certification on leading public safety networks, including AT&amp;T FirstNet and Verizon, first responders have the reliable connections they need when emergencies overload the commercial networks.

## The Ultimate in Manageability and OS Update Simplicity

**Get a Lifetime Security Guard for Android**

With Zebra's LifeGuard™ for Android™, 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**

With LifeGuard Analytics — free with your Zebra OneCare Support contract — you can view available Android updates, the update priority level and which devices are eligible for the update. Automatically update your devices over the air with the press of a button. Easily monitor and manage the status of updates in real time. And with support included for the next two versions of Android, plus full control over if or when you choose to update Android, you get superior future proofing and a lower total cost of ownership.

## The Ultimate in Value, Delivered, with Mobility DNA Apps — 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 make Zebra Android devices easier to use, easier to manage, easier to secure and simplify application development. For example, easily 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. Maximize the performance of your WiFi network with WorryFree WiFi. 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. Only enable workers to use the applications and device features you specify with Enterprise Home Screen to prevent personal use of the device during business hours. Provide your users with a customized onscreen keyboard that enables faster data entry with Enterprise Keyboard. And much more.

# Specifications

## Physical Characteristics

| | |
|---|---|
| Dimensions | XSLATE: 11 in. L x 7.7 in. W x .88 in. D<br>280.8 mm L x 195.2 W mm x 22 mm D<br>XPAD: 11 in. L x 10.0 in. W x .88 in. D<br>280.8 mm L x 255.9 W mm x 22 mm D<br>XBOOK: 11 in. L x 8.2 in. W x 2.5 in. D<br>280.8 mm L x 208.3 W mm x 63.5 mm D |
| Weight | XSLATE: 2.7 lbs/1.2 kg<br>XPAD: 3.0 lbs/1.4 kg<br>XBOOK: 4.4 lbs/2.0 kg |
| Frame | Magnesium alloy internal frame with external elastomer corner bumpers |
| Display | 10.1 in. 2K resolution display<br>WUXGA 1920 x 1200 (16:10)<br>- Standard 500 Nit capacitive<br>- View Anywhere® 1000 Nit capacitive<br>- View Anywhere 1000 Nit with active Wacom® digitizer<br>Corning® Gorilla® Glass 3<br>Capacitive 10-point touch<br>Contrast ratio = 800 : 1<br>Wide viewing angle ±89°<br>Standard user replaceable anti-glare screen protector<br>Auto-sensing standard, glove and wet touch |
| Power | Standard battery: 36 WHr with up to 9.8 hours[2]<br>Extended battery: 98 WHr with up to 26 hours[2]<br>Battery charge time[2]<br>- Standard battery: 2.75 hours with system off[3]<br>- Extended battery: 3.25 hours with system off[3]<br>Bridge battery (1 minute swap time)<br>- Hot swap battery<br>Input Voltage: 12-20V, AC Adapter: 19V |
| Ports/Connectivity | Docking connector<br>(2) USB 2.0<br>USB Type-C port (USB 2.0, USB 3.0, Display Port)<br>3.5mm audio output (stereo out, mono in)<br>RJ-45 ethernet port<br>Dual Nano SIM (4FF)<br>Optional DB9 Serial (USB conv.) or HDMI-In<br>Optional RFID UHF reader |
| Expansion Slot | Micro-SDXC |
| Keyboard | Included with XBOOK: Rugged backlit IP65 keyboard with kick strap/stand (optional for the XSLATE and XPAD) |
| Audio | 3.5 mm audio output (stereo out, mono in)<br>Multi-directional array microphone<br>- 2 microphones (2 front facing array mic)<br>XPAD: 1 front facing speaker<br>XSLATE/XBOOK: 1 rear facing speaker |
| Status Indicators | System status, battery status, camera active |

## Performance Characteristics

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| CPU | Qualcomm Snapdragon™ 660 octa-core 2.2 GHz |
| Operating System | Upgradeable to Android 14 |
| Memory/Storage | 4GB/64GB or 128GB eMMC; 8GB/128GB eMMC |
| Graphics | Qualcomm Adreno 512 GPU |
| App | EMDK available through Zebra Support |

## Wireless WAN Data (Cellular)

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| Radio Frequency Band | Supports Carrier Aggregation up to 3DL CA<br>Dual SIM slots<br>LTE FDD: Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 19, 20, 25, 26, 28, 66<br>LTE TDD: Bands 38, 39, 40, 41<br>UMTS/HSPA/HSPA+: Bands 1, 2, 4, 5, 8<br>AT&T FirstNet Ready certification<br>Verizon PNTM certification |
| GPS | Autonomous and Concurrent GPS, GLONASS, Gallileo, BeiDou, and A-GPS. Supports IZat™ XTRA |

## Wireless LAN (WiFi)

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| Radio | IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/w; Wi-Fi™ certified; IPv4, IPv6, 2x2 MU-MIMO |
| Data Rates | 5GHz: 802.11a/n/ac — up to 866.7 Mbps<br>2.4GHz: 802.11b/g/n — up to 300 Mbps |
| Security | WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA/WPA2 Enterprise (TKIP and AES) — EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC and LEAP. EAP-PWD |
| Multimedia | Wi-Fi Multimedia™ (WMM) |

## Wireless PAN

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| Bluetooth | Class 2, Bluetooth v5.0, Bluetooth Low Energy (BLE) |

## Sensors

3-axis accelerometer; ambient light sensor; gyroscope; eCompass

## Regulatory

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| Product Safety | UL/CSA 60950-1, 2nd Ed.; IEC/EN 60950-1; AS/NZS 60950-1, 2nd ED.; NOM 019; C1D2, ANSI/ISA 12.12.01-2013 (Hazardous Location) |
| SAR | FCC OET 65 Supplement C; CAN/CSA RSS-102 Issue 5, Safety Code 6; EN 62311, EN 62209-2; EN62209-2:201 |
| EMC | FCC Part 15 B, Class B; CAN/CSA ICES-003, Class B EN55032, Class B; EN 301-489-1; EN 301-489-17; EN 301-489-24; EN 61000-3-2; EN 61000-3-3; EN55024; EN 303 413 |
| Environment | California Proposition 65; Battery Charging Systems; RoHS 2 Directive 2011/65/EU; WEEE Directive 2012/19/EU; Battery Waste Directive 2013/56/EU; NMX -1-122-NYCE-2006 (Mexico Energy Consumption); Energy Star Compliant; EPEAT Silver |

## Warranty

Subject to the terms of Zebra's hardware warranty statement, the L10 is warranted against defects in workmanship and materials for a period of 3 (three) years from the date of shipment. For complete warranty statement, go to:
https://www.zebra.com/warranty

## Performance Characteristics

| Development | Central Web site |
|---|---|

## User Environment

| Operating Temperature | -4° F to 140° F/-20° C to 60° C |
|---|---|
| Storage Temperature | -22° F to 158° F/-30° C to 70° C |
| Thermal Shock | -22° F to 158° F/-30° C to 70° C within five (5) minutes, non-operating; MIL-STD-810G |
| Drop Specification | 6 ft./1.83 m drops to plywood over concrete, 4 ft./1.2 m drops to concrete; both tested to MIL-STD 810G |
| Sealing | IP65 with port doors open or closed, IEC 60529 |
| Hazardous Environments | C1D2 (Class 1 Division 2) for hazardous locations[1] |
| Vibration | Minimum integrity non-operating, composite wheel operating; MIL-STD-810G |
| Shock | 40G operating |
| Humidity | 3% to 95% non-condensing, -22° F to 140° F/-30°C to 60°C, 5 cycles of 48Hr; MIL-STD-810G |
| Water Proofing | Method 506.5 - Procedure I, wind speed 40 mph, 4 inches per hour, 4 sides; MIL-STD-810G |
| Blowing Sand | 20M/S, rate 1.1g/m3 (+/-.3g) at high temperature of 140° F/60° C; MIL-STD-810G |
| Blowing Dust | Velocity 8.9M/s dust concentration 3.9 g/m3 at high temperature of 140 °F/60° C; MIL-STD-810G |
| Fluid Contamination | 50/50 solution of water and bleach, 50/50 solution of water and hydrogen peroxide, diesel fuel, mineral based oil, Lysol disinfectant, denatured alcohol, isopropyl alcohol |
| Altitude | Operating: 50,000 ft./15,240 m |

## Data Capture

| Scanning Options | XPAD only: SE4710 1D/2D imager |
|---|---|
| Camera | 13MP color rear autofocus camera with Flash; 5MP color front camera |
| NFC | ISO 14443 Type A and B; FeliCa and ISO 15693 cards; P2P mode and Card Emulation via Host and UICC |

## 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 Visibility Services — Asset Visibility Services (AVS) and Operational Visibility Service (OVS): Options on any Zebra OneCare support contract, these services deliver the device management data needed to take device uptime, operational efficiency and return on investment to the next level.

## Accessories

Vehicle dock; industrial dock; standard and extended batteries; kickstand with extended battery bracket; single bay battery charger; power adapters; companion keyboard; short and long digitizer and passive pens; combination kickstand and rotating hand strap; soft handle; shoulder strap; carry case; screen protectors; screen cleaning cloth

## Footnotes

1. Requires a Hazardous Locations certified model. Many XSlate and XPad models are C1D2 certified, and some models are ATEX certified.
2. Battery performance will vary by system configuration. Battery life and recharge estimates will vary based on system settings, applications, optional features, environmental conditions, battery conditioning and user preferences.
3. Approximate charging time. Validated charging from 5% to 90% with system on or system off.
4. Based on typical user profiles.Specifications are subject to change without notice.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. Mobility DNA is available on Android only. Features may vary by model and a Support Contract may be required. For more information on these Zebra-only features and for the most recent list of supported apps, please visit: https://developer.zebra.com/mobilitydna



DataWedge | Device Tracker | Device Diagnostics | EDMK for Android and Xamarin | EMM Toolkit | Enterprise Browser

Enterprise Home Screen | Enterprise Keyboard | Lifeguard | Mx Mobility Extensions | StageNow | Workforce Connect PTT Express | WorryFree Wifi



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603.882.1560 Ext. 6
sales@glaciercomputer.com
www.glaciercomputer.com