L10 Windows Rugged Tablets

The ultimate XSlate and XPad 10-inch ‘go-anywhere’ tablets

Put the power of mobile data in the hands of workers in your most demanding environments with Zebra’s L10 Windows Rugged Tablet family. Multiple models meet the needs of workers out in the field in energy, mining, utilities, telecommunications, construction, public safety and government — as well as in warehouses and manufacturing plants. The rugged go-anywhere design is at home indoors, outside, in freezers, sub-zero cold and extreme heat, in forklifts, trucks and other vehicles — 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 — Wi-Fi™, Bluetooth®, cellular, GPS and NFC. All the right data capture options increase workforce productivity. Customize your L10 tablets with enterprise accessories that simplify everyday use. The L10 Series — the ultimate Windows rugged tablets designed for the workplace.

The Ultimate in Rugged Versatility

Meet the Needs of Practically Any Job With Multiple Models

The XSlate L10 is the smallest and lightest model for workers who need a traditional tablet design. Add the optional rugged keyboard to create a laptop alternative for heavy data entry. Workers can remove the keyboard for easy portability or mount in any vehicle with a companion vehicle dock—from forklifts in a warehouse to delivery and first responder vehicles.

For workers who spend their day on their feet, an integrated rigid handle makes the XPad L10 easy to carry. Add a built-in barcode scanner to the handle for fast and accurate data capture. 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 desktop, industrial and vehicle docks; a carrying case; a shoulder strap; a kickstand and more.

Add Ports and Additional Data Capture Options

Need more ports for easy connection to additional hardware? No problem — just add a True RS232 serial or HDMI-in port. Want to read barcodes to streamline and ensure accurate barcode capture? Add an enterprise-class scanner to the XPad. Need more security options? Add a Common Access Card (CAC) or Smart Card reader. And if your organization is utilizing RFID, you can add a UHF RFID reader.

The XSlate and XPad — the ultimate rugged Windows tablets for work.

For more information, visit www.zebra.com/l10

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.

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 ultra-bright 1000 nit View Anywhere® display is easy to see, even in direct sunlight.

Unmatched Battery Power—and Battery Management

Get full shift power with the standard battery and a full 24 hours of power with the extended battery. With a removable hot-swappable battery, your L10 tablets are always in service — never in a charging dock. And with an optional charger, a spare battery is always ready to go.

The Ultimate in Productivity With Enterprise Data Capture

Front and Rear Cameras for Double the Functionality

Enable video calling with the 2 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, evidence capture, incident documentation 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.

The Ultimate in Connectivity

The Fastest Cellular Connections

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

Longer Wi-Fi 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 Wi-Fi network capacity, speed and range. And processing is shifted from the mobile device to the access point, extending battery cycle time.

More Connectivity Options for Faster and More Flexible Communications

Standard Bluetooth 4.2 and support for Gigabit Ethernet, plus options for NFC, GPS and UHF RFID means always being connected.

The Ultimate in Manageability

Easy to Secure and Manage

All three models are built on a common Windows 10 Pro platform, offering multiple security options. Trusted Platform Module (TPM) 2.0 simplifies the selection and implementation of different levels of security for different users. Support for Smart Card, Common Access Card (CAC) and a fingerprint reader control access to the data and applications on L10 tablets. And a Kensington lock slot protects against theft.

Specifications

Physical Characteristics

Dimensions	XSlate: 11.0 in. L x 7.7 in. W x 0.88 in. D 280.8 mm L x 195.2 W mm x 22 mm D XPad: 11.0 in. L x 10.0 in. W x 0.88 in. D 280.8 mm L x 255.9 W mm x 22 mm D XSlate with keyboard: 11.0 in. L x 8.3 in. W x 2.36 in. D 280.8 mm L x 210.8 W mm x 60 mm D
Weight	XSlate: 2.8 lbs/1.3 kg[2] XPad: 3.1 lbs/1.4 kg[2] XSlate with keyboard: 4.63 lbs/2.1 kg[2]
Frame	Magnesium alloy internal frame with external elastomer corner bumpers
Display	10.1 in. 2K resolution display WUXGA 1920 x 1200 (16:10) - View Anywhere® nominal 1000 Nit capacitive Corning® Gorilla® Glass 3 Capacitive 10-point touch Contrast ratio = 800 to 1000 : 1 Wide viewing angle ±85° Standard user replaceable anti-glare screen protector — 3H hardness User selectable, glove and wet mode Night vision mode supported on Active View Anywhere Display only
Graphics	Intel® UHD Graphics 505
Battery Life and Power	Standard battery: up to 9.5 hours[3] Extended battery: up to 25 hours[3] Battery charge time: - Standard battery: 2.75 hours with system off[4] - Extended battery: 3.25 hours with system off[4] Standard bridge battery (1 minute swap time) - Hot swap battery feature comes standard Input Voltage: 12-20V, AC Adapter: 19V
Ports/Connectivity	Docking connector (2) USB 3.0 ports USB Type-C port (USB 2.0, USB 3.0, Display Port out) 3.5 mm audio output (stereo out, mono in) RJ-45 ethernet port Dual Nano SIM (4FF) Micro-SDXC
Expansion Slot	Micro-SDXC
Integrated Options	NFC Optional 1D/2D barcode reader (XPad only) Optional True RS232 serial, or Optional HDMI-In, or Optional CAC / Smart Card reader, or Optional UHF RFID reader (AEI)
Rugged Keyboard	Optional accessory: backlit; IP65; 3.2 ft./1 m drop specification; kick strap/stand
Security	Integrated fingerprint reader Trusted Platform Module (TPM) 2.0 Optional CAC / Smart Card reader Kensington cable lock slot TAA compliant
Status Indicators	System status, battery status, camera active, SSD activity
Audio	Intel High Definition audio Realtek® HD Codec RealTek noise cancellation Multi-directional array microphone - 2 microphones (2 front facing array mic) XPad: 1 front facing speaker XSlate: 1 rear facing speaker

Data Capture

Camera	13 MP rear camera with AutoFocus; 2 MP front camera with Flash
NFC	Optional
RFID	Optional UHF RFID Reader (AEI)
Barcode Scanner	Optional on XPad only: SE4710 1D/2D imager

Wireless WAN/GPS Data (Cellular)

Radio Frequency Bands	Optional internal wireless (one expansion slot with choice of: • Sierra Wireless EM7565, 4G LTE with GNSS (GPS + GLONASS + Galileo + Beidou) • Sierra Wireless EM7511. It is LTE-Advanced with GNSS receiver (GPS + GLONASS, BeiDou, and Galileo) • Discrete GNSS, Navisys Technology (u-blox) GPS + GLONASS with SBAS (WAAS, EGNOS and MSAS)Optional Pass-Through antenna includes 5 ports for MIMO WWAN, MIMO WLAN and GPS AT&T FirstNet Ready certification Verizon PNTM certificationCBRS Capable (Band 48) - EM7511 Configurations
FirstNet Ready Models	Sierra Wireless EM7511: LTE-Advanced with GNSS receiver (GPS, GLONASS, BeiDou, and Galileo satellite systems supported)

Wireless LAN (WiFi)

Radio	Intel® Dual Band Wireless-AC 8265 Wi-Fi plus

Wireless PAN (Bluetooth)

Bluetooth	Class 1, Bluetooth® 4.2 (EDR + BLE)

Regulatory

Product Safety	UL/CSA 60950-1 2nd Ed.; UL/CSA 62368-1 2nd Ed.; EN 60950-1 2nd Ed.; IEC 62368-1 2nd Ed.; EN 62368-1 2nd Ed.; AS/NZS 62368.1; NOM-019-SCFI Hazardous Locations: C1D2; ANSI/ISA 12.12.01-2013
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

Markets and Applications

Warehouse

• Cold storage
• Service bay

Manufacturing

• Shop floor

Field Service

• Oil and gas
• Mining
• Construction
• Utilities

Government

• Public safety

Performance Characteristics

Operating System	Windows 10 IoT
Processor	Intel Pentium® processor N4200[5]; (LPDDR4, 1.10 GHz with turbo frequency to 2.50 GHz)
Memory	8 GB
Storage Options	128 GB SATA SSD 256 GB SATA SSD 512 GB SATA SSD

User Environment

Operating Temperature	-4° F to 140° F/-20° C to 60° C; MIL-STD-810G
Storage Temperature	-22° F to 158° F/-30° C to 70° C; MIL-STD-810G
Thermal Shock	-22° F to 158° F/-30° C to 70° C within five (5) minutes, non-operating; MIL-STD-810G
Drop Specification	MIL-STD-810G: 6 ft./1.83 m drops to plywood over concrete; 4 ft./1.22m drops to concrete
Sealing	IP65
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; MIL-STD-810G
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; MIL-STD-810G
Altitude	Operating: 50,000 ft./15,240 m; MIL-STD-810G

Accessories

Vehicle dock; industrial dock; office 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

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

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 VisibilityIQ™ Foresight options on any Zebra OneCare support contract deliver the device management data needed to take device uptime, operational efficiency and return on investment to the next level.

Footnotes

1. Requires a Hazardous Locations certified model. Many XSlate and XPad models are C1D2 certified.2. Weight represents approximate system weight measured with a 36WHr battery. Actual system weight may vary depending on configuration, component and manufacturing variability.3. MobileMark 2014 performance testing software. 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.4. Approximate charging time. Validated charging from 5% to 90% with system on or system off.5. L10 Pentium supports Windows 10 Pro 64-bit but this is not offered from the factory.
Specifications are subject to change without notice.Specifications are subject to change without notice.

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