Zebra L10

Zebra L10 - State-of-the-art technology with many options

✓ **For demanding use in industry, transport and maintenance**
With IP65 certification, the Zebra L10 is protected against dust and water. It can withstand drops from a height of up to 1.8 metres and meets the MIL-STD-810G standard. The operating temperature range is between -20 °C and 60 °C, which makes it suitable for use in various environments.

✓ **Extensive connectivity: WLAN, Bluetooth, mobile radio, USB and RS232**
Enables seamless integration into various IT infrastructures and ensures stable data transmission.

✓ **Numerous hardware options for customised configuration**
There are several processors to choose from, Intel i7, i5 and N4200, the working memory can vary between 4 GB and 16 GB RAM, while the internal memory ranges from 64 GB to 1 TB SSD.

✓ **10.1-inch display with 2K resolution, optionally with particularly high luminosity**
The shatterproof display with 2K resolution (1920 x 1200 pixels) shows even the smallest details in sharp focus and high contrast. A particularly strong luminosity is available as an option, making it easier to work in direct sunlight. The touch display can be reliably operated with gloves or wet hands.

✓ **Extensive accessories, such as rechargeable battery with 27 hours runtime**
A wide range of accessories is available for specific requirements, such as a rechargeable battery with up to 27 hours of runtime, stationary and vehicle docking stations and keyboards. Data capture options such as NFC, RFID and barcode scanners can also be integrated.

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Features

Display: 10.1 inch, 1920 x 1200 px

Operating system: Windows 10

CPU: Intel i7 / i5 / N4200

Memory: 4 - 16 GB RAM, 64 GB – 1 TB SSD

Battery: up to 27 h, hot swappable

Network connections: WLAN, Bluetooth, mobile radio, USB, RS232

Additional features: Cameras, GPS

Protection: IP65, drop-proof up to 1.8 m, MIL-STD-810G

Operating temperature: -20 - 60 °C

Dimensions (W x L x H): 280 x 195 x 22 mm

Weight: 1.2 kg

Optional accessories

Data capture: NFC, RFID, barcode scanner

Keyboards

Stationary / vehicle docking stations

High Capacity Batteries

Stand

Power connections

Stylus pens

Antennas

Hand straps, shoulder straps

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 XBOOK: 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 kg² XPAD: 3.1 lbs/1.4 kg² XBOOK: 4.63 lbs/2.1 kg²
Frame	Magnesium alloy internal frame with external elastomer corner bumpers
Display	10.1 in. 2K resolution display WUXGA 1920 x 1200 (16:10) - Standard 500 Nit capacitive - View Anywhere® 1000 Nit capacitive - View Anywhere 1000 Nit with active Wacom® digitizer Corning® Gorilla® Glass 3 Capacitive 10-point touch Contrast ratio = 800 : 1 Wide viewing angle ±89° Standard user replaceable anti-glare screen protector — 3H hardness Auto-sensing standard, glove and wet touch Night vision mode supported on Active View Anywhere Display only
Graphics	N4200 CPU - Intel® UHD Graphics 505 Core i5 & i7 CPUs - Intel® UHD Graphics 620
Battery Life & Power	Standard battery: up to 10 hours³ Extended battery: up to 27 hours³ Battery charge time: - Standard battery: 2.75 hours with system off⁴ - Extended battery: 3.25 hours with system off⁴ 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	Included with XBOOK: backlit; IP65; 3.2 ft./1 m drop specification; kick strap/stand (rugged keyboard is optional for the XSLATE and XPAD)
Security	Integrated fingerprint reader Trusted Platform Module (TPM) 2.0 Optional CAC / Smart Card reader
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/XBOOK: 1 rear facing speaker

Performance Characteristics

Operating System	Windows® 10 Pro 64-bit
Processor	8th Generation Intel® Core™ i7 vPro™ processor – 8650U (LPDDR3, 1.90 GHz with turbo frequency to 4.20 GHz) 8th Generation Intel® Core™ i5 vPro™ processor – 8350U; (LPDDR3, 1.70 GHz with turbo frequency to 3.60 GHz) 8th Generation Intel® Core™ i5 processor – 8250U; (LPDDR3, 1.60 GHz with turbo frequency to 3.40 GHz) Intel® Pentium® processor N4200; (LPDDR4, 1.10 GHz with turbo frequency to 2.50 GHz)
Memory	4 GB (Pentium N4200 only) 8 GB (Pentium N4200 & Core i5 8250U only) 16 GB (Core i5 vPro 8350U & Core i7 vPro 8650U only)
Storage Options	N4200 CPU: / Core i5 & i7 CPUs: 64 GB SATA SSD / 128 GB PCIe SSD 128 GB SATA SSD / 256 GB PCIe SSD 256 GB SATA SSD / 512 GB PCIe SSD 512 GB SATA SSD / 1 TB PCIe 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. drops to concrete
Sealing	IP65
Hazardous Environments	C1D2 (Class 1 Division 2) for hazardous locations¹
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

Data Capture

Camera	13 MP rear camera; 2 MP front camera
NFC	Optional
RFID	Optional UHF RFID Reader (AEI)
Barcode Scanner	Optional on XPAD only: SE4710 1D/2D imager⁵

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, 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 certification CBRS 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 Optional Pass-Through antenna includes 5 ports for MIMO WWAN, MIMO WLAN and GPS

Wireless PAN (Bluetooth)

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