

XSLATE R12 Rugged Tablet

The tablet that transforms to match your work style. Rugged redefined.

Do your workers need to juggle a desktop, laptop and rugged tablet to complete their tasks in the office, vehicle and field? Not anymore. The XSLATE R12 Rugged Tablet is the only computer your multi-tasking workers will need. It's the fastest rugged tablet on the market today and features powerful 2-in-1 capabilities with a magnetically-attached Companion Keyboard. With the largest display in Zebra's tablet line, workers get a big and ultra-bright screen for all the business applications and documents they use every day. Its light weight makes it easy to grab and go in the field. Military-grade security and rugged specifications can meet your toughest requirements. And since your business and workers demand versatility, the highly adaptable XSLATE R12 offers more high performance feature options than any tablet in its class — from a choice of Windows Professional OS, barcode scanning and RFID, Smart Card reader, LTE connectivity, vehicle and field accessories and more. The XSLATE R12 — the tablet that does it all.



Mobility without compromise

The industry's brightest 12.5 in. display

Give your workers an unmatched outdoor viewing experience. A brilliant 12.5 in. ultra-bright 1000 nit View Anywhere® display is easy to see, even in the brightest sunlight. Corning Gorilla Glass delivers maximum scratch-and-impact resistance to this vulnerable device component.

Powerful PC performance

Pair powerful 7th generation Intel® processors (or previous generation processors) with your preferred Windows® Professional OS — enabling XSLATE R12 tablets to fit with any technology deployment and budget. And expandable SSD storage, and memory components keep pace with rising data demands.

Easy to use touch, pen and keyboard inputs

Whether workers need a laptop or slate form factor, the XSLATE R12 delivers. The magnetically-attached Companion Keyboard is always on standby and never in the way. The capacitive multi-touch screen ensures easy use on the go, regardless of environmental conditions. And with support for Wacom's digital pen, workers can take notes, capture signatures, annotate existing documents and draw sketches with all the precision and ease as a pen and paper.

The ultimate security system

Protect your tablets and company data. A touch fingerprint reader comes standard on every XSLATE R12 — ensuring only authorized users access your networks and data. And with FIPS 140-2 and Trade Act Agreement (TAA) compliance, the XSLATE R12 meets stringent government agency security requirements.

Rugged and reliable

XSLATE R12 tablets are lightweight, yet engineered to handle all the bumps, drops and spills that are part of the job. Use it in extreme heat and subzero cold, inside a truck, car or forklift — or where flammable materials are present. IP54 sealing protects against dust and splashing water. The tablets can withstand multiple 4 ft./1.2 m drops and meet MIL-STD 810g military standards for shock, vibration, altitude, blowing sand and more.

When it comes to connectivity, you get it all

Comprehensive wireless 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. With certification on leading public safety networks, including AT&T FirstNet and Verizon, first responders have the reliable connections

PRODUCT SPEC SHEET

XSLATE R12 RUGGED TABLET

they need when emergencies overload the commercial networks. In the office and hot spots, workers can take advantage of maximum WiFi speeds with dual-band 802.11ac. And support for GPS enables real-time situational awareness, complete visibility and excellent navigation performance under rugged conditions.

Connect virtually any kind of peripheral

Bluetooth v4.2 enables fast and secure wireless connections to a wide variety of peripherals, like printers and headsets. There's a built-in HDMI port for connecting to an external monitor and USB 3.0 ports for external drives, keyboards, printers and more. Add an RJ45 Gigabit Ethernet for high speed wired networking or the RS232 True Serial port dongle to easily connect to legacy equipment in substations, physical plants and more.

The versatility your business demands

Expand your tablet's productive power with data capture options

Add the XSLATE SlateMate™, a three-in-one factory-installed module that contains a barcode scanner, HF RFID reader and serial port. This lightweight module enables workers to capture the data they need to streamline workflows without carrying an additional device — or impacting the ruggedness or portability of the tablet.

Optional CAC/Smart Card reader

Configure your XSLATE R12 tablets with an optional integrated Common Access Card (CAC) reader to control access to the world's most sensitive systems, including military, government, financial and healthcare.

Accessories for the field, vehicle and office

Maximize your mobility investment with a full line of purpose-built accessories to fit a wide variety of applications. The Secure Mobile Dock locks the XSLATE R12 in place in a vehicle or desktop — a secure latch offers simple, one-handed docking and undocking while the integrated key lock provides increased security. The standard Docking Station gives workers a full-featured desktop computing experience. And the Work Anywhere Kit includes a case, shoulder strap, carry handle and screen cover. Other accessories include spare batteries and battery chargers, vehicle chargers, digitizer pens and much more.

XSLATE R12 Tablet Specifications Chart

Physical Characteristics	
Dimensions	12.93 in. H x 8.17 in. W x .75 in. D 328.5 mm H x 207.5 mm W x 19 mm D
Weight	2.95 lbs (1.34 kg) ¹
Frame	Magnesium-alloy internal frame with external rubberized enclosure
Display	12.5 in. wide viewing angle display Full-HD resolution (1920 x 1080); 1000 nit display brightness; anti-smudge and anti-reflective; view Anywhere® Display Corning® Gorilla® Glass 3 Capacitive 10-point touch Wacom digital pen input Standard user replaceable anti-glare screen protector; 3H hardness
Battery Life and Power	<ul style="list-style-type: none"> Battery operation <ul style="list-style-type: none"> Standard battery: up to 9 hours² Battery charge time <ul style="list-style-type: none"> Standard battery: 2.75 hours with system off³ Standard bridge battery (1 minute swap time) Hot swap battery feature comes standard Input Voltage: 19V with AC adapter
Ports	Docking connector USB 3.0 port HDMI port 3.5 mm audio output (stereo out, mono in) Micro-SIM card slot (3FF) Micro-SDHC port
Performance Characteristics	
Operating System	Windows® 10 Pro 64-bit Windows® 8.1 Pro 64-bit** Windows® 7 Professional 64-bit** *available through Windows 10 downgrade † available on i5-6200U only
Processor	Intel® Core™ i7 vPro - 7600U - 2.8 GHz with turbo frequency to 3.9 GHz, 4 MB SmartCache, 2 cores (4 threads) Intel® Core™ i7-7500U - 2.7 GHz with turbo frequency to 3.5 GHz, 4 MB SmartCache, 2 cores (4 threads) Intel® Core™ i5-6200U - 2.3 GHz with turbo frequency to 2.8 GHz, w 3 MB SmartCache, 2 cores (4 threads) Intel® Celeron® 3865U - 1.8 GHz, 2 MB SmartCache, 2 cores (4 threads)
Memory	4GB (Celeron® 3865U only) 8GB
Storage Options	64 GB SSD ⁴ (M.2 SATA only) 128 GB SSD (M.2 SATA or PCIe) 256 GB SSD (M.2 SATA or PCIe) 512 GB SSD (M.2 SATA or PCIe) 1 TB SSD ⁵ (M.2 PCIe only)
Graphics	Intel HD Graphics 620 for i7-7500U, i7-7600U Intel HD Graphics 610 for Celeron® 3865U Intel HD Graphics 520 for i5-6200U

User Environment	
Operating Temperature	-20° C to 60° C / -4° F to 140° F
Storage Temperature	-30° C to 70° C / -22° F to 158° F
Thermal Shock	-30° C to 70° C / -22° F to 158° F within five (5) minutes; MIL-STD-810G
Drop Specification	4 ft./1.22 m drop direct to plywood over concrete while system is operating, 26 drops; tested to MIL-STD-810G
Sealing	IP54
Hazardous Environments	Class 1 Division 2 for hazardous locations
Vibration	Minimum Integrity on-operating, US Highway Truck and Composite Wheel Operating; MIL-STD-810G
Shock	20G operating, 40G non-operating
Humidity	23° C to 60° C / 73° F to 140° F, 95% non-condensing, 10 days; MIL-STD-810G
Water Proofing	Fig 506.5, 140L/hr, per sq/m, 15 minutes; MIL-STD-810G
Blowing Sand	20M/S, rate 1.1g/m3 (+/- .3g) at high temperature of 60° C; MIL-STD-810G
Blowing Dust	Velocity 8.9M/s dust concentration 3.9 g/m3 at high temperature of 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	40,000 ft. (12,192 m) operating, 50,000 ft. (15,240 m) non-operating
Data Capture	
Camera	8 MP rear camera 2 MP front camera
Scanning Options	Optional 1D/2D barcode reader via SlateMate®
RFID	Optional 1D/2D barcode reader via SlateMate®
System Features	
Integrated Communications	<ul style="list-style-type: none"> Intel® dual band wireless-AC 8260 Wi-Fi plus Bluetooth® 4.2 Optional internal wireless (1 expansion slot) <ul style="list-style-type: none"> Sierra Wireless EM7455 (NA and EU) 4G LTE with GNSS (GPS + GLONASS + Beidou) Verizon PNTM certified or Sierra Wireless EM7511 (NA) LTE Advanced with GNSS receiver (GPS + GLONASS + BeiDou + Galileo) AT&T FirstNet Ready and Verizon PNTM certified or Sierra Wireless EM7430 (APAC) 4G LTE with GNSS (GPS + GLONASS + Beidou) or Navisys Technology (u-blox) GPS with SBAS (WAAS, EGNOS and MSAS) Pass-through antenna for WWAN, WLAN and GPS

Markets and Applications

Workforce

- Quality Assurance
- Inspections
- Inventory Management
- Safety Audits and Compliance Reporting
- Asset Monitoring and Control
- Maintenance and Repair Scheduling and Completion
- Claims Processing
- Engineering/Construction Project Management
- Incident Reporting
- Dispatch and Routing (GPS)
- Mapping/GIS Asset Location
- Investigations
- Situational Awareness
- Evidence Documentation
- Ticketing and eCitations
- Electronic Patient Care Reporting (ePCR)/Electronic Health
- Records (EHR)
- Emergency Response Planning and Management

XSLATE R12 Tablet Specifications Chart - continued

System Features (continued)		Regulatory (continued)	
Integrated Options	Optional 1D/2D barcode reader via SlateMate® Optional 13.56 MHz HF RFID with read/write capability via SlateMate® Optional RS232 True Serial port via dongle Optional RJ45 Gigabit Ethernet port via dongle Optional Integrated CAC/Smart Card Reader	Environment	California Proposition 65; Battery Charging Systems; RoHS 2 Directive 2011/65/EU; WEEE Directive 2012/19/EU; Battery Waste Directive 2013/56/EU; EN 62623:2013 (ErP Lot 3 / Lot 26); NMX -1-122-NYCE-2006 (Mexico Energy Consumption); Energy Star Compliant
Security	Integrated fingerprint reader Trusted Platform Module (TPM) 2.0 Optional CAC / SmartCard reader	Footnotes	¹ Weight represents approximate system weight measured with a 45Whr battery. Actual system weight may vary depending on component and manufacturing variability. 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. MobileMark 2014 performance testing on Intel Core i7. ³ Approximate charging time. Validated charging from 5% to 90% with system on or system off. ⁴ 64 GB M.2 SATA SSD only available with 3865U processor configuration. ⁵ PCIe drives only available with 7500U and 7600U processor configurations
Audio	Intel® High Definition audio Realtek® HD Codec RealTek noise cancellation Multi-directional array microphone: 3 microphones (2 front facing array mic's and 1 rear facing mic) 2 integrated speakers	Zebra acquired Xplore Technologies and all its products in 2018.	
Status Indicators	Power/battery status Camera active SSD activity		
Software			
Software	Know Your Tablet (Windows 10, 8.1, 7) Pen and Touch Enabled BIOS Setup xCapture Pro™ Camera App Xplore Dashboard (Windows 7) Xplore Tablet Center (Windows 10, 8.1) RFID Sample Reader (SlateMate™) Barcode Reader (SlateMate™)		
Warranty			
Subject to the terms of Zebra's hardware warranty statement, the XSLATE R12 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: http://www.zebra.com/warranty			
Testing and Standards			
Standards	ACPI 5.0 compliant UEFI BIOS Certified for Microsoft Windows 10 Client family version 1607, x64 Microsoft Azure Certified for IoT		
Regulatory			
Product Safety	UL/CSA 60950-1, 2nd Ed.; IEC/EN 60950-1; AS/NZS 60950-1, 2nd Ed.; LVD Directive 2014/35/EU; NOM 019; 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		
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		



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