

R12

12.5" RUGGED TABLET PC



PRODUCT SPECIFICATIONS

DURABILITY

- MIL-STD-810G
 - 4' drop tested over plywood
- Class 1 Division 2 for Hazardous Locations
- IP54
- Magnesium-alloy internal frame
- Rubberized enclosure

OPERATING SYSTEMS

- Windows® 10 Pro 64-bit
 - Windows® 8.1 Pro 64-bit**
 - Windows® 7 Professional 64-bit**
- *available thru 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,
 - 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** (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*** (M.2 PCIe only)

DISPLAY

- 12.5" Wide Viewing Angle Display
- Full-HD Resolution (1920 x 1080)
 - 1000 Nit Display Brightness
 - Anti-Smudge & Anti-Reflective ViewAnywhere Display
- Corning® Gorilla® Glass 3
- Capacitive 10-Point Touch
- Wacom Digital Pen Input
- Standard user replaceable anti-glare screen protector
 - 3H hardness

GRAPHICS

- Intel HD Graphics 620 for i7-7500U, i7-7600U
- Intel HD Graphics 610 for Celeron® 3865U
- Intel HD Graphics 520 for i5-6200U

CAMERA

- 8 MP rear camera
- 2 MP front camera

INTEGRATED COMMUNICATIONS⁴

- Intel® Dual Band Wireless-AC 8260 Wi-Fi plus Bluetooth® 4.2
- Optional Internal Wireless (1 expansion slot)
 - Sierra Wireless EM7455 (NA and EU)
 - 4G LTE with GNSS (GPS + GLONASS + Beidou)
 - 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

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

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

BATTERY LIFE & POWER

- Battery operation
 - Standard battery: up to 9 hours¹
- Battery charge time
 - Standard battery: 2.75 hours with system off²
- Standard bridge battery (1 minute swap time)
 - Hot swap battery feature comes standard
- Input Voltage: 19V with AC Adapter

DIMENSIONS/WEIGHT

- 12.93" x 8.17" x .75" (328.5 mm x 207.5 mm x 19 mm)
- 2.95 lbs (1.34 kg)³

SECURITY

- Integrated Fingerprint Reader
- Trusted Platform Module (TPM) 2.0
- Optional CAC / SmartCard reader

** 64 GB M.2 SATA SSD only available with 3865U processor configuration

*** PCIe drives only available with 7500U & 7600U processor configurations

AUDIO	<ul style="list-style-type: none"> • Intel® High Definition Audio • Realtek® HD Codec • RealTek noise cancellation • Multi-directional array microphone <ul style="list-style-type: none"> - 3 microphones (2 front facing array mic's and 1 rear facing mic) • 2 Integrated speakers 	REGULATORY	<ul style="list-style-type: none"> - PRODUCT SAFETY <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • FCC OET 65 Supplement C • CAN/CSA RSS-102 Issue 5, Safety Code 6 • EN 62311, EN 62209-2 - EMC <ul style="list-style-type: none"> • 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 - ENVIRONMENT <ul style="list-style-type: none"> • 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
STATUS INDICATORS	<ul style="list-style-type: none"> • Power/Battery Status,\ • Camera Active • SSD Activity 		
SOFTWARE	<ul style="list-style-type: none"> • Know Your Tablet (Windows 10, 8.1, 7) • Pen and Touch Enabled BIOS Setup • xCapture Pro™ by Xplore® Camera App • Xplore Dashboard (Windows 7) • Xplore Tablet Center (Windows 10, 8.1) • RFID Sample Reader (SlateMate™) • Barcode Reader (SlateMate™) 		
WARRANTY	<ul style="list-style-type: none"> • 3 year standard coverage included • Extended Warranty & xDefend Programs Available. Please Contact Sales or Visit https://support.xploretch.com/support/warranties for Further Information. 		
STANDARDS	<ul style="list-style-type: none"> • ACPI 5.0 compliant • UEFI BIOS • Certified for Microsoft Windows 10 Client family version 1607, x64 		
IEC INGRESS TESTING	<ul style="list-style-type: none"> • IEC (60529) Ingress Tested to an IP54 Standard 		
ENVIRONMENTAL	<ul style="list-style-type: none"> • Tested to MIL-STD-810G Standards • Operating Temperature: -20 °C to 60 °C / -4 °F to 140 °F • Storage Temperature: -30 °C to 70 °C / -22 °F to 158 °F • Transit Drop - Operating: 4' (1.22 M) Drop Direct to Plywood over Concrete while System is Operating, 26 Drops • Vibration: Minimum Integrity Non-operating, US Highway Truck and Composite Wheel Operating • Shock: 20G Operating, 40G non-operating • Humidity: 23 °C to 60 °C / 73 °F to 140 °F, 95% Non-Condensing, 10 Days • Water Proofness: Fig 506.5, 140L/hr, per sq/m, 15 Minutes • Blowing Sand: 20M/S, rate 1.1g/m³ (+/- .3g) at High Temperature of 60 °C • Blowing Dust: Velocity 8.9M/s Dust Concentration 3.9 g/m³ at High Temperature of 60 °C • Temperature Shock: -30 °C to 70 °C / -22 °F to 158 °F within 5 Minutes • Contamination by Fluids: 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 (15,240m) Non Operating 		
		ACCESSORIES	<ul style="list-style-type: none"> • Secure Mobile Dock • Industrial Dock • Companion Keyboard • SlateMate • Work Anywhere Kit with Shoulder Strap • Work Anywhere Kit with Handle • Additional Battery • Desktop Battery Charger Kit • RJ45/RS232 Dongle

¹ 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

² Approximate charging time. Validated charging from 5% to 90% with system on or system off.

³ Weight represents approximate system weight measured with a 45WHr battery. Actual system weight may vary depending on component and manufacturing variability.

⁴ GNSS not available when external monitor is in use.