C1D2

MIL-STD 810G

IP54

XSLATE™ R12 RUGGED TABLET PC

PRODUCT SPECIFICATIONS

PROCESSOR / CACHE
- 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)

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

DURABILITY
- MIL-STD-810G (multiple 4' drops over plywood)
- Class 1 Division 2 for Hazardous Locations
- IP54 (Water, dust and splash resistant)
- Corning® Gorilla® Glass 3
- Magnesium-alloy internal frame
- Rubberized enclosure

DISPLAY
- 12.5" Wide Viewing Angle Display
- Full-HD Resolution (1920 x 1080)
- 1000 Nit Display Brightness
- Anti-Smudge + Anti-Reflective View Anywhere Display
- Capacitive 10-Point Touch
- Wacom Digital Pen Input
- Intel Display Power Saving Technology (DPST)
- Ambient Light Sensor

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

MEMORY
- 4GB DDR4 2133MHz memory (Celeron® 3865U only)
- 8GB DDR4 2133MHz memory

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)

** 64 GB M.2 SATA SSD only available with 3865U processor configuration
*** PCIe drives only available with 7500U & 7600U processor configurations

BATTERY
- Battery life over 9 hours[1]
- Hot swappable Lithium Ion Standard battery with 45WHr capacity
- Battery charge time: 2.5 hours (Tablet PC on/off)[2]

INTEGRATED COMMUNICATIONS[4]
- 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

AUDIO
- RealTek noise cancellation
- Multi-directional array microphone
  - 3 microphones (2 front facing array mic's and 1 rear facing mic)
- 2 Integrated speakers

AUDIO CONTROLLER
- Intel® High Definition Audio
- Realtek® HD Codec

PORTS
- Docking connector
- USB 3.0 port
- 3mm Audio I/O jack
- HDMI port
- Micro-SD Card Slot
- Micro-SIM Card Slot (3FF)
- Optional RS232 True Serial Port via Dongle
- Optional RJ45 Gigabit Ethernet Port via Dongle
- Optional Integrated CAC/Smart Card Reader

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

COLLABORATION
- 8.0 Megapixel camera (rear-facing)
- 2.0 Megapixel camera (front-facing)
- Rear Camera LED Flash
- Optional 1D/2D Barcode Reader via SlateMate®
- Optional 13.56 MHz HF RFID with read/write capability via SlateMate®
- 9 Axis MEMS sensor (Accelerometer, eCompass, Gyroscope)
- Ambient Light Sensor

STATUS INDICATORS
- Power/Battery Status, Camera Active, SSD Activity

POWER SUPPLY
- Input Voltage: 19V with AC Adapter

SOFTWARE
- xCapture Pro™ by Xplore® Camera App
- RFID Sample Reader (SlateMate™)
- Barcode Reader (SlateMate™)
- Xplore Dashboard (Windows 7)
- Know Your Tablet (Windows 10, 8.1, 7)
- Pen and Touch Enabled BIOS Setup
- Xplore Tablet Center (Windows 10, 8.1)

WARRANTY
- 3 year standard coverage included
- Extended Warranty & xDefend Programs Available. Please Contact Sales or Visit https://support.xploretech.com/support/warranties for Further Information.

STANDARDS
- ACPI 5.0 compliant
- UEFI BIOS
- Certified for Microsoft Windows 10 Client family version 1607, x64

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

ENVIRONMENTAL
- 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

IEC INGRESS TESTING
- IEC (60529) Ingress Tested to an IP54 Standard

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

[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.

For More Infromation Contact:

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GLACIER
C O M P U T E R