XPLORE
THE RUGGED TABLET AUTHORITY™

C1D2

MIL-STD 810G

IP54

XSLATE™
R12 RUGGED TABLET PC

PRODUCT SPECIFICATIONS

PROCESSOR / CACHE
- Intel® Core™ i7-7500U
  - i7-7500U, 2.7 GHz with turbo frequency to 3.5 GHz, 4 MB SmartCache, 2 cores (4 threads)
- Intel® Core™ i5-6200U
  - i5-6200U, 2.3GHz with turbo frequency to 2.8 GHz, 3MB 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)
- Class 1 Division 2 for Hazardous Locations
- IP54 (Water, dust and splash resistant)
- Corning® Gorilla® Glass 4
- Magnesium-alloy internal frame
- Rubberized enclosure

DISPLAY
- 12.5" Wide Viewing Angle Display
- Full-HD Resolution (1920 x 1080)
- 800 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 520

MEMORY
- 8 GB DDR4 2133 MHz SDRAM memory

STORAGE OPTIONS
- 128 GB SSD
- 256 GB SSD
- 512 GB SSD

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
- 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 GE-730/u-blox 7 GPS with SBAS (WAAS, EGNOS and MSAS)

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
- TCG Trusted Platform Module (TPM) 2.0
- Optional CAC / SmartCard reader

COLLABORATION
- 8.0 Megapixel camera (rear-facing)
- 2.0 Megapixel camera (front-facing)
- Optional 1D/2D Barcode Reader via SlateMate®
- Optional 13.56 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, HDD Activity

POWER SUPPLY
- Input Voltage: 19V with AC Adapter

SOFTWARE
- xCapture Pro™ by Xplore® Camera App
- RFID Sample Reader
- Barcode Reader
- Xplore Dashboard (Windows 7)
- Know Your Tablet (Windows 10, 8.1, 7)
- Pen and Touch Enabled BIOS Setup
- Infineon TPM 2.0
- Xplore Tablet Center (Windows 10, 8.1)
- Microsoft Office - Trial Version (Windows 10)

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

ENVIRONMENTAL
- Tested to MIL-STD-810G Standards
- **Operating Temperature:** -10 °C to 55 °C / 14 °F to 131 °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
- **Natural Cycle Humidity:** Fig 507.5-6, Non Hazardous B3 Class, 30 Days
- **Water Proofness:** Fig 506.5, 140L/hr, per sq/m, 15 Minutes
- **Wind Driven Rain:** Fig 506.5, 40 MPH Wind, 30 Minutes Per Side
- **Blowing Sand:** 20M/S, rate 1.1g/m^3 (+/-.3g) at High Temperature of 60 °C
- **Blowing Dust:** Velocity 8.9M/s Dust Concentration 3.9 g/m^3 at High Temperature of 60 °C
- **Temperature Shock:** -30 °C to 70 °C / -22 °F to 158 °F within 5 Minutes
- **Explosive Atmosphere:** Method 511.5, @60 °C, 20,000ft, 10,000ft, and 5,000ft
- **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
- ESTA EN50392

- EMC
- EMC Directive 2014/30/EU
- FCC Part 15 B, Class B
- CAN/CSA ICES -003, Class B
- EN55022 (CISPR 22), Class B
- EN55024 (CISPR 24)
- EN61000-3-2
- EN61000-3-3

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)

[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.

[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.