



# THORIUM X

STAY CONNECTED.

## Product Specifications



### Integrated Communications

- Wireless LAN: 802.11ac
- Satellite Antenna: Iridium Short Burst Data (SBD)
- Broadband: 4GLTE (Optional)
- GPS: Dedicated, Standard, 2.5m Accuracy
- Bluetooth® 4.0
- LAN: 10/100/1000 Gigabit Ethernet (RJ-45)

### Satellite Communication

- Iridium Short Burst Data (SBD) modem inside
- High speed, flexible satellite antenna
- Reliable connection

### Thorium Software

Tablet app and Desktop platform including:

- Email messaging
- Satellite mapping
- Electronic forms
- Weather reports

### Fully Rugged

- Magnesium Alloy Midframe
- MIL-STD-810G and IP65 Tested
- Elastomer Bumpers (Protected Glass/Touch Screen)
- Multiple 5' Drops

### Processor & Operating System

- Intel® Atom™ E3845 Quad Core 1.91 GHz Processor
- Android™ 5.1 Lollipop

### Display

- 10.1" WXGA (1366 x 768) Rugged IPS LED Backlit Display
- 500 NITs Direct Bonded Screen
- 178° Viewing Cone (89° Off-Axis)
- Chemically Strengthened Glass
- Contrast Ratio: 800:1, Aspect Ratio: 16:9
- Ambient Light Sensor (ALS)
- 10-Finger Multi-Touch, Glove Touch

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## Graphics

- Intel® HD Graphics (Gen 7)

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## Memory

- 4 GB DDR3L 1333 MHz

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## Storage Options

- Standard 64 GB SSD
- Expandable via Micro SDXC Slot

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## Battery Life

- Up to 8 Hour Battery Life (39.2 Whr, Single Battery)
- Hot Swappable External 2nd Battery
- Up to 14 Hour Battery Life (31.1 Whr, Dual Battery)
- Up to 20 Hour Battery Life (59.2 Whr, Dual Battery)

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## Security

- Kensington® Cable Lock Slot
- Integrated Trusted Platform Module - TPM 1.2

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## Collaboration

- Integrated Speaker and Microphone
- Integrated Rear 5 Megapixel Camera with Flash
- Integrated Front 2 Megapixel 1080p HD Webcam

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## Ports

- DC Power
- 2 x USB 3.0 Ports
- Micro SDXC
- Micro HDMI-out
- Micro SIM Card Reader
- Headphones/Speaker Mini-Jack Stereo
- Smart Phone Headphone Compatible

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## Optional Expansion\*

- NFC
- 1D/2D Barcode Scanner
- HDMI-input

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## Dimensions - Weight

- 11.05" (28.1 cm) x 7.07" (18.0 cm) x 0.86" (2.2 cm)  
(W x H x D)
- Starting at 2.4 lbs (1.09 kg)

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## Status Indicators

- Power/Battery Status, Camera Active

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## Power Supply

- Input Voltage: 19V with AC Adapter
- Supports 12~20V Input DC on Tablet

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## Software

- Touch Mode Switcher (Glove Touch Mode)

\* Expansion Options Are Mutually Exclusive

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## Environmental

- Tested to MIL-STD-810G Standards
- Operating Temperature: -34 °C to 60 °C / -30 °F to 140 °F
- Cold Start: -20 °C / -4 °F
- Storage Temperature: -30 °C to 70 °C / -22 °F to 158 °F
- Transit Drop - Operating: 5' (1.52 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: 40G 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 Min
- Wind Driven Rain: Fig 506.5, 40 MPH Wind, 30 Min Per Side
- Blowing Sand: 20M/S, rate 11g/m<sup>3</sup> (+/- 3g) at High Temperature of 60 °C
- Blowing Dust: Velocity 8.9M/s Dust Concentration 3.9 g/m<sup>3</sup> 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

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## IEC Ingress Testing

- IEC (60529) Ingress Tested to IP65

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## Emissions & Immunity

- Tested to: MIL-STD-461F
- Immunity: CISPR 24, EN55024 (US, CAN, EU)
- Emissions: EN55022, CISPR 22, CFR47 Part 15, Subpart B, ICES-003 for Class B (US, CAN, EU)
- MIL-STD 464C: HERO, Safe Separation Distance = 0 ft
- Safety: CB Scheme, IEC 60950 (US, CAN, EU), UL60079-0: 2013, UL60079-11: 2013 R3.14, CAN/CSA-C22.2 No. 60079-0: 11, CAN/CSA-C22.2 No. 60079-11: 14, UL Class I Zone 2, A, B, C, D (US, CAN), ATEX Zone 2

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## Environment

- ROHS, Recycling Program: [xploretech.com/environment/recycle](http://xploretech.com/environment/recycle)
- Energy Star 6.1
- CEC, Regulatory Bulletin No. 110915.02B (BCS), ERP Directive

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## Warranty

- Standard 3 Year Limited Warranty
- Extended Warranty & xDefend Programs Available Please Contact Sales or Visit: [xploretech.com/support/warranty\\_service](http://xploretech.com/support/warranty_service) for Further Information

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## Peripherals and Docking

- G2 Vehicle Dock - IP55 Water and Dust-Resistant (12V compatible)
- Industrial Dock
- 2-bay and 6-bay Battery Charging Stands



## Accessories

- Handle/Shoulder Strap with Pen and Tether
- Rotating Handstrap
- Kickstand
- Companion Keyboard
- Armortech Screen Protector
- External Battery Brackets, External 2nd Batteries
- 12-18V Input, 19V Output DC-DC Converter (Cigarette Lighter Adapter)
- 12-32V Input, 19V Output DC-DC Converter (Heavy Duty Cigarette Lighter Adapter)
- 18 - 60V Input, 13.8 V Output DC - DC Converter, Direct Wireenvironment/recycle
- Energy Star 6.1
- CEC, Regulatory Bulletin No. 110915.02B (BCS), ERP Directive

## Emergency Response Applications w/satellite enabled communications!

- **Employee notification and life/safety.**
- **Field communication with employees, management, vendors, suppliers, and customers.**
- **Tracking of supply and crew vehicles.**
- **Electronic fencing and inventory monitoring.**
- **Data collection and popular estimating programs**
- **Email and texting.**
- **Weather reports, hurricane tracking, flood notifications, and more.**
- **Maps and navigation.**



The Intel® Atom™ processor delivers outstanding computing, graphical, and media performance while operating in an extended range of thermal conditions.

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