

MIL-STD  
810G

IP65



XPLORE™

# BOBCAT

## PRODUCT SPECIFICATIONS

<b>PROCESSOR / CACHE</b>	<ul style="list-style-type: none"> <li>Intel® Atom™ E3845 Quad Core 1.91 GHz</li> </ul>	<b>STATUS INDICATORS</b>	<ul style="list-style-type: none"> <li>Power, Charge/DC-in, camera active</li> </ul>
<b>OPERATING SYSTEM</b>	<ul style="list-style-type: none"> <li>Windows® 10 / 8.1 Professional, 64-Bit</li> <li>Windows® 7 Professional, 64-Bit</li> </ul>	<b>EXPANSION OPTIONS</b>	<ul style="list-style-type: none"> <li>1D/2D barcode scanner</li> <li>CAC/smartcard reader</li> </ul>
<b>DURABILITY</b>	<ul style="list-style-type: none"> <li>MIL-STD-810G</li> <li>IP65 (Water, dust and splash resistant)</li> <li>Magnesium Chassis / Industrial Strength Frame</li> </ul>	<b>SECURITY</b>	<ul style="list-style-type: none"> <li>Kensington® Cable Lock Slot</li> <li>Integrated trusted platform module - TPM 1.2</li> <li>CAC reader module (Optional)</li> </ul>
<b>DISPLAY</b>	<ul style="list-style-type: none"> <li>10.1" WXGA (1366 x 768) Rugged IPS LED backlit display</li> <li>500 NITS direct bonded screen</li> <li>Contrast Ratio: 800:1; aspect ratio: 16:9</li> <li>178° viewing cone (89° Off-Axis)</li> <li>Chemically strengthened glass</li> <li>Ambient Light Sensor (ALS)</li> <li>10-Finger multi-touch, glove touch</li> <li>Intel® Integrated Mobile Graphics (Gen 7)</li> </ul>	<b>DIMENSIONS &amp; WEIGHT</b>	<ul style="list-style-type: none"> <li>11.05" (28.1 cm) x 7.07" (18.0 cm) x 0.86" (2.2 cm) (W x H x D)</li> <li>Starting at 2.4 lbs (1.09 kg)</li> </ul>
<b>SYSTEM MEMORY</b>	<ul style="list-style-type: none"> <li>4 GB DDR3L 1333 MHz</li> </ul>	<b>BATTERY</b>	<ul style="list-style-type: none"> <li>Up to 8 hour battery life (39.2 Whr, Single Battery)</li> <li>Hot swappable external 2nd battery</li> <li>Up to 14 hour battery life (31.1 Whr, Dual Battery)</li> <li>Up to 20 hour battery life (59.2 Whr, Dual Battery)</li> </ul>
<b>SYSTEM STORAGE</b>	<ul style="list-style-type: none"> <li>128 GB SSD standard, 256 GB SSD optional</li> </ul>	<b>POWER SUPPLY</b>	<ul style="list-style-type: none"> <li>Input Voltage: 19V with AC adapter</li> <li>Supports 12~20V input DC on tablet</li> </ul>
<b>COMMUNICATIONS</b>	<ul style="list-style-type: none"> <li>Wireless LAN: 802.11ac</li> <li>Broadband: 4G LTE (Optional)</li> <li>GPS: Integrated, 2.5m accuracy</li> <li>Bluetooth® 4.0</li> <li>LAN: 10/100/1000 gigabit Ethernet (RJ-45)</li> </ul>	<b>WARRANTY</b>	<ul style="list-style-type: none"> <li>Standard 3 Year Limited Warranty</li> <li>Extended warranty &amp; xDefend programs available.</li> </ul>
<b>COLLABORATION</b>	<ul style="list-style-type: none"> <li>Integrated Rear 5 megapixel camera with flash</li> <li>Integrated front 720p HD webcam</li> <li>Integrated speaker and microphone</li> </ul>	<b>SOFTWARE</b>	<ul style="list-style-type: none"> <li>Touch mode switcher (Glove Touch Mode)</li> <li>xCapture imaging software</li> </ul>
<b>I/O PORTS</b>	<ul style="list-style-type: none"> <li>2 x USB 3.0 Ports</li> <li>Micro SDXC</li> <li>Micro HDMI-out</li> <li>Micro SIM card reader</li> <li>RS232 serial ready port</li> <li>Headphones/Speaker mini-jack stereo</li> <li>Smartphone headphone compatible</li> <li>DC Power</li> </ul>		

## RUGGED TESTING

- Magnesium Alloy Midframe
- MIL-STD-810G and IP65 tested
- IEC (60529) Ingress Tested to IP65
- Elastomer bumpers (Protected Glass/Touch Screen)
- Transit Drop - operating: 5' (1.52 M) drop direct to plywood over concrete while system is operating, 26 drops
- Blowing Sand and Dust: 30 MPH wind, 30 minutes
- 4' (1.21M) drop direct to plywood over concrete while system is operating, with any installed accessory
- Vibration: minimum integrity, vehicle vibration, US highway truck vibration
- Functional Shock: 20G operating, 40G non-operating
- Water Proofness: dripping rain, 1m, 15 minutes
- Blowing Rain: 4"/Hour (101.6 mm/Hour), 40 MPH Wind, 30 minutes per side
- Explosive Atmosphere: C1Z2 / ATEX 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
- **Cold Start:** -20°C / -4°F operating
- **Humidity:** 95% non-condensing
- **Altitude:** 40,000 Ft (12,192 M) operating

## REGULATORY

### - EMISSIONS & IMMUNITY

- Immunity: CISPR 24, EN55024 (U.S., CAN, EU)
- Emissions: EN55022, CISPR 22, CFR47 Part 15, Subpart B, ICES-003 for Class B (U.S., CAN, EU), CEC, Regulatory Bulletin No. 110915.02B (BCS), ERP Directive
- Safety: CB Scheme, IEC 60950 (U.S., CAN, EU), UL 60079-0 and UL 60079-11 Class 1 Zone 2, A, B, C, D; T5 (U.S., CAN), ATEX

### - ENVIRONMENTAL

- ROHS, Recycling Program