Xplore RangerX Rugged Android Tablet

Inspired by over a decade of customer feedback and experience in the rugged tablet space, the Xplore RangerX Android tablet features a lightweight and highly portable form factor, without compromising the ultra-rugged, reliable protection of the Xplore iX104 line. With MIL-STD-810G and IP65 certifications, the RangerX is engineered to protect critical data under the most challenging conditions such as 4' operating drops to plywood over concrete, heavy rain, blowing sand and dust, continuous vibration, temperature extremes, and more.

The RangerX runs Android 4.0.4 and is powered by a 1.5GHz Texas Instruments OMAP 4470 processor that uses a dual-core ARM Cortex-A9, 1GB of LPDDR2 SDRAM, and 32GB of eMMC NAND Flash. Storage can be increased with up to 32GB in a user-accessible micro-SD card slot, and up to 128GB micro SD in an internal slot.

The RangerX has integrated WLAN 802.11a/b/g/n, Bluetooth 4.0, GPS and optional 4G LTE mobile broadband to keep workers connected. It has more onboard I/O than most light and compact tablets, including a USB 2.0 port, a micro USB 2.0 port, audio, and micro HDMI-out. Optional I/O ports include HDMI-in and an RJ-45 LAN jack. Other integrated features include front and rear cameras, an RFID/NFC reader, and an optional CAC reader.

The RangerX sets the standard for field mobility: a full-shift battery life, lasting up to ten hours, maximizes time in the field and increases productivity. The RangerX's vibrant 10.1" outdoor viewable, multi-touch display allows flawless transition from indoor to outdoor use. Options for carrying straps, handles, and mobile docking make tablet transportation easy for handheld and vehicle applications.

Features:
- Lightweight platform for ultra mobility
- Full-shift battery life - up to 10 Hours
- MIL-STD-810G certified and IP65 rated
- HD front and 5MP rear camera
- Comprehensive communications suite
- Optional HDMI-In and RJ-45 Gigabit Ethernet port, making it perfect for on-site diagnostics
- Optional integrated Common Access Card reader

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Product Specifications

Operating System:

- Android 4.0.4 (Ice Cream Sandwich)

Processor:

- Dual Core ARM Cortex A9 processor
- 1.2 Smart Cache: 1MB
- 1.5GHz

Storage:

- 32G eMMC NAND Flash memory
- Additional secured internal micro SD up to 128GB (optional)
- User Accessible 32G micro SD

Memory:

- 1GB dual-Channel LPDDR2 memory

Display:

- 10.1" XGA (1366 x 768) rugged in-plane switching
- •LCD backlit display
- •500 NIT display, 178 ° viewing cone (89 ° off axis)
- •Contrast ratio = 800:1
- •Automatic light sensor (ALS)
- •Multi-touch, anti-reflective glass

Communications:

- Integrated wireless LAN: 802.11 a/b/g/n
- Integrated bluetooth: 4.0 - FM transmitter
- Integrated GPS: 5m accurate satellite
- Optional integrated mobile broadband: Verizon 4G LTE
- Optional LAN: 10/100/1000 Gigabit Ethernet (RJ-45)

Graphics:

- Integrated POWERVR™ SGX544 graphics accelerator
- Integrated image signal processor

Ports:

- AC/DC power
- USB 2.0 ports (full and micro)
- Micro SD - Micro HDMI- out
- SIM card reader
- SmartCard reader (CAC reader, optional)
- RJ-45/ mini HDMI-in module (optional)
- Headphone/ speakers and mic

Input & Status Indicators:

- Projected capacitance multitouch
- Status indicators: Power, Charge/ DC-in

Collaboration:

- NFC RFID
- Integrated speakers
- Microphone
- Integrated 5 megapixel digital camera (rear-facing w/ flash)
- Integrated HD megapixel digital camera (forward-facing)

Battery:

- User Replaceable 10,000 mAhr
- Up to 10hr battery life

Power Supply:

- Auto-sensing 100-240V, 50-60Hz supplying 112VDC, 2A
- USB charging option

Dimensions & Weight:

- 11.1" (28.2cm) x 7.2" (18.3cm) x .85" (2.15cm) (W x H x D)
- Weight: Starting at 2.2lbs (.99kg)

Security:

- Integrated SmartCard reader with CAC capability (optional)
- Kensington lock slot

Peripherals & Docking:

- xDock G2 vehicle cradle
- Handle and shoulder strap
- Back handstrap
- Stylus
- Armortech screen protector

MIL-STD-810G Specifications:

- Transit Drop - Operating: 4' (1.22 m) Drop direct to plywood over concrete - 26 total drops: one drop to each face, edge and corner - Unit is operating and remains operational- MIL-STD-810G, Method 516.6, Proc IV
- Vehicle Vibration: Vehicle vibration testing - Unit is operating - MIL-STD-810G, US Highway Truck, Method 514.6, Procedure I: Figure 514.6 C-1 Category 4
- Operating Temperature: -4 °F to 140 °F (-20 °C to 60 °C) MIL-STD-810G, Methods 501.5, 502.5, Procedures I and II.
- Storage Temperature: -8 °F to 158 °F (-22 °C to 70 °C) MIL-STD-810G, Methods 501.5, 502.5, Procedures I and II.
- Drip: 7 gal/hr over 2 feet- MIL-STD-810G Method 506.4, Procedure III - Unit is operating
- Blowing Rain: 4"/hr (101.6 mm/hr) blowing rain, 40-mph wind source, 40 minutes - Unit is operating - MIL-STD-810G, Method 506.5, Procedure I
- Blowing Sand and Dust: Particle size < 149 μm, 10 + 7 g/m3 particle density - 1.5 m/s to 8.9 m/s wind speeds - Unit is operating- MIL-STD-810G, Method 510.5, Procedures I (Blowing Dust) and II (Blowing Sand)
- Humidity: 95% - Non-condensing humidity - Five 48-hour cycles - Unit is operating- MIL-STD-810G, Method 507.5, Procedure II
- Salt Fog: 5% Saline exposure for 2 Cycles x 48 hrs - (12 hrs wet/12hrs dry) - MIL-STD-810G, Method 509.5, Procedure I
- Functional Shock: Operating: 20G - Non Operating: 40G - MIL-STD-810G, Method 516.6, Procedure 1
- Altitude: Chamber at 15,000 ft (4572m) - Unit is operating - MIL-STD-810G, Method 500.5, Procedure II
- Contamination by Fluids: Detergents, brake fluid, aromatic hydrocarbons - Unit is not operating - MIL-STD-810G, Method 504.1
- Solar Radiation: 1120 W/m2 (355 Btu/ft2/hr) UVB @ 50° C -7x24 hr cycles - MIL-STD-810G, Method 505.5-2, Procedure II

IEC Ingress Testing:

- IP65
- Dust-tight, no ingress of dust
- Protection Against low pressure jets of water from all directions- limited ingress permitted

Emissions and Immunity:

- Emissions: FCC Part 15, CE Mark EN55022 (CISPR22) Class B, E-Mark (XDock) EN 61000-3-2, EN61000-3-3
- Immunity: CB Scheme EN 55022, CISPR 22 CFR 47 Part 15, subpart B, ICES-003 for class B (US, CAN, EU27), IEC 60950 CB Scheme (US, CAN, EU27)

Warranty:

- Standard 3-Year Limited Warranty
- Extended Warranty xDefend Programs available.
- Please contact your Sales Director for further information

Consider purchasing these additional items to make your new portable computer more efficient, convenient, and a complete mobile solution. Pricing and information specific to your make and model can be found on our website, or you can discuss your options with your sales professional for expert guidance and suggestions. Not all of these additional items are available for all types or brands of portable computer.

Additional RAM Memory: Adding additional RAM memory is often the easiest and least expensive way to upgrade your computer for a significant boost in performance. The computer's RAM memory is its workspace, or where all of the instructions it needs to act on are stored temporarily.

Additional Storage: A computer's hard drive stores your operating system, programs and files. Hard drive space is measured in gigabytes (GB) and the higher the GB level the greater the collective file size of everything you can save on the computer. Some computer models offer spare, removable hard drives, while others offer an external hard drive.

External Drives: Some computer models come with a DVD/CD Multi drive, meaning you can read and write CD's and DVD's. Other computer models require an external USB drive. Also, some manufacturers offer an external floppy disk drive.

Power Options: Having additional power options available will keep you from running out of power at just the wrong time, there are several options available:

Additional AC Adapter – A convenient extra AC Adapter with Power Cord allows you to keep one at home and one at the office, no need to carry it back and forth.

Automobile Adapter – The automobile power adapter, also known as a cigarette lighter adapter, allows you to power your portable computer while in your vehicle, as well as charge your battery. Some of these adapters can also be used on an airplane.

External Battery Charger – The external battery charger allows you to keep your battery charged, it does not come with an AC Adapter – you can use the one that comes with the computer or purchase an additional one.

Spare Batteries - Purchase additional or replacement batteries to ensure you will always have one available. Some computers also have a place for a secondary battery, such as in the media bay. Check with your sales professional if you would like more information on these options for your model.

Mobile Printers and Scanners - A mobile printer or scanner increases your efficiency, no more running back to the office to print documents or receipts or to scan information to your computer. Our lineup of mobile printers are ready to go anywhere, they are small, lightweight, and available in different output sizes. Whether you need a full size page or just a receipt, we have the mobile printer or scanner for you.

Security Options – Keeping your investment secure is a priority, and there are several options available. Depending on the computer & model these include fingerprint scanner, smartcard reader, cable lock slot etc.

ComputraceComplete – (LoJack for your portable computer) – Computrace works behind the scenes to silently and securely contact the Absolute Monitoring Center. Using any type of internet connection, the computer makes contact every 24 hours to report its location. If a computer is reported missing or stolen, the machine is flagged to call in every 15 minutes and then the Absolute Recovery Team goes to work. The team provides law enforcement with tracking information to pinpoint the physical location of the computer and documentation needed to obtain subpoenas and procure search warrants. However, not every computer manufacturer offers computrace.

Targus DEFCON Notebook Computer Locks – The Targus DEFCON Notebook Computer Lock comes in either a cable or key lock. The lock is a 6 ft. steel cable that is cut resistant galvanized steel and can be wrapped around any secure object and attached to your cable lock slot that is built into most notebook computers. Any attempt to remove the lock will visibly damage the computer, preventing resale therefore discouraging theft. Don't let your computer be one of the nearly 1,000 portable computers stolen every day.

Other Accessories – There are many accessory items available to make using your computer more convenient and efficient, as well as user friendly. Some of these items include: carry cases designed for your model, port replicators making it easy

to create a "desktop" environment or adding additional ports to your computer, extra stylus pens so a misplaced or forgotten pen won't slow you down, and protector films to ensure your display screen stays clear and clean.

Vehicle Docks and Mounts - Vehicle mounts hold your computer safely in place and allow for safe and comfortable use while in a vehicle. With custom fit bases, height adjustable poles, and docking station and you can run antennas, use the vehicle battery or add other peripherals for a complete mobile solution.

Warranty Extensions & Upgrades – Some warranty options and upgrades are only available at time of product purchase, but there are some manufacturers that will allow upgrades or extensions to be purchased at a later time.

Product Shots

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