

# The iX104C5 DMSR TABLET

Dual-Mode Sunlight-Readable Ultra-Rugged Tablet PC



5<sup>th</sup> GENERATION RUGGED



The iX104C5 DMSR is the most comprehensive and fully-featured Rugged Tablet PC in the industry.

## THE MOST RUGGED TABLET ON EARTH

- Industry's Most Rugged Tablet PC
- Powerhouse Performance: Intel® Core™ i7 Platform
- Tool-Free Access to Battery, SSDs, SIM, Micro SD
- AllVue™ Xtreme Sunlight Readable Technology
- Industry's Best SSD—Single or Dual with RAID Option
- Intrinsically Safe for Explosion-Prone Environments
- Designed for In-Field Upgrades to Reduce TCO
- Cool Touch™ Thermal Management
- Full Microsoft® Windows® 7 and Windows® 8
- Comprehensive Communications Suite

## PROVEN RUGGED IN THE REAL WORLD

Inspired by over a decade of first-hand customer experience, the iX104C5 stands up to real world conditions such as 4' operating drops to concrete, heavy rains, blowing sand and dust, constant vibration, temperature extremes and more. Rugged design innovations in combination with independent MIL-STD testing instills confidence that the iX104C5 will protect critical data and deliver in the most challenging conditions.

## UNPARALLELED PERFORMANCE

Powered by the modern Intel® Core™ i7 processor, the iX104C5 offers the most advanced performance platform in its class. With dual SSDs and up to 8GB of memory, the tablet can run dense, multi-functional field applications without slowing down. A user-configurable RAID array boosts read/write times and allows for data redundancy. It regulates temperature with unique remote heat exchanger technology, while still maintaining a submersible IP-67 rating.

## FIELD-PROVEN DESIGNS

The iX104C5 offers an optically engineered rugged sunlight-viewable display with highly flexible input options. The user interface features an innovative auto-switching digitizer supporting both glove-touch and active pen inputs. Enhanced multi-modal wireless communications like Wi-Fi, Gobi 3000, and a sub-meter GPS lets users readily view critical information on-site and in real-time.

## TOTAL CONTROL OF OWNERSHIP

The iX104C5 incorporates advanced technologies from industry leaders and was designed to provide long, stable lifecycles. The tablets have a proven track record of high reliability with low failure rates. In addition, user-accessible bays allow for in-field upgrades and repairs, helping to deliver greater system uptime on the job and lower total cost of ownership.



<b>FULLY RUGGED</b>	Multi-layered magnesium chassis MIL-STD-810G and IP67 tested Hazardous Location Certified Piston Sealing, Rugged SSD Cartridge	<b>PORTS</b>	AC/DC power Docking connector USB 2.0 (x2) RJ-45 Headphone/speaker and microphone 9-pin Serial port (RS232/RS422/RS485) (VGA replacement option) MicroSD and SIM socket (tool-less access)
<b>PROCESSOR</b>	Intel® Core™ i7, 620 UE processor Turbo Boost Technology (up to 2.13 GHz) 1.06 GHz / 800-1067MHz FSB / 4 MB Intel® Smart Cache	<b>INPUT AND STATUS INDICATORS</b>	Top and Side XPL Pin and Pad Expansion ports Dual-Mode Auto-Sensing Finger Touch and Active Pen Inputs Programmable Application Buttons Power on/Resume button, Reset Button, CTL/ALT/DEL, Screen orientation X and Y navigation (mouse-like) via biometric scanner STATUS INDICATORS: Power, Charge/DC-in, SSD LEDs
<b>CHIPSET</b>	Intel® QM57 Express	<b>DIMENSIONS / WEIGHT</b>	11.2" (284.4 mm) x 8.25" (209.5 mm) x 1.6" (40.7 mm) (W x H x D) 5.4 lbs (2.4 kg)
<b>GRAPHICS</b>	Mobile Intel® High Definition (HD) Graphics	<b>PERIPHERALS AND DOCKING</b>	Desktop and Vehicle Docking Systems Carrying case options for various applications
<b>DISPLAY</b>	10.4" XGA (1024x768) rugged LED backlit display Dual-Mode AllVue™ Xtreme Technology: Best outdoor sunlight-readability 1000 NITS Contrast Ratio = 600:1 (typical) Automatic Light Sensor (ALS), NVIS compatible Dual-Mode auto-sensing Touch & Pen input	<b>ENVIRONMENTAL SPECIFICATIONS</b>	Independently-tested to MIL-STD-810G OPERATING TEMPERATURE: -30° F to 140° F (-34° C to 60° C) COLD START: -4°F (-20°C) STORAGE TEMPERATURE: -60° F to 160° F (-51° C to 71° C) HUMIDITY: 3% - 95% non-condensing THERMAL SHOCK: -60° F to 160° F (-51° C to 71° C) BLOWING RAIN: 4"/hr (101.6 mm/hr), 40 mph wind, 30 min. per side BLOWING SAND AND DUST: 30 mph wind source, 30 min. VIBRATION: Minimum Integrity, Vehicle Vibration, US Highway Truck Vibration SALT FOG: 5% saline exposure, 48 hr exposure ALTITUDE: 50,000 ft (15240 m) operating OTHER TESTS: Functional and Crash Shock, Contamination by Fluids, Fungus and Solar Radiation
<b>MEMORY</b>	Standard 4 GB DDR3 (up to 1333 MHz) Expandable up to 8 GB (Windows® 7, 64-bit) User-accessible bay	<b>BEYOND MIL-STD-810G</b>	TRANSIT DROP – OPERATING: 4' (1.22 m) drop direct to concrete while system is operating, 26 drops TRANSIT DROP – OPERATING: 7' (2.13 m) drop direct to plywood over concrete while system is operating, 26 drops
<b>OPERATING SYSTEMS</b>	Genuine Microsoft® Windows® 7, 32-bit, 64-bit Genuine Microsoft® Windows® 8, 32-bit, 64-bit	<b>IEC INGRESS TESTING</b>	IEC (60529) Ingress Tested to an IP67 standard (10-Cell Battery) Submersion-resistant, dust-tight
<b>SOFTWARE</b>	xConnect Mobile Broadband Connection Manager with NDIS xCapture photo and video for landscape & portrait capture	<b>EMISSIONS, IMMUNITY AND SAFETY</b>	EMISSIONS: FCC Part 15, CE Mark EN55022 (CISPR22) Class B, E-Mark (XDock), EN 6 1000-3-2, CSA ICES-003, Issue 5 IMMUNITY: EN55024, EN61000-3-3 SAFETY: UL and EN60950-1 2nd Ed, ATEX Zone 2/ Category 3 Compliant, UL 1604 (ANSI/ISA 12.12.01-2007, CSA C22.2 No. 213-M 1987 (R2008)) Class I/Division II (Z:A-D) certified
<b>BATTERY</b>	Standard Extended Life 10-cell Li-Ion battery (68.5 Whr) User-Removeable Up to 6.5-hr battery life Warm Swap Capabilities	<b>OTHER CERTIFICATIONS</b>	ROHS, Energy Star 5.2 Compliant, EPEAT-Silver RECYCLING PROGRAM: <a href="http://www.xploretch.com/environment/recycle">www.xploretch.com/environment/recycle</a>
<b>POWER SUPPLY</b>	Auto-sensing 100-240 V, 50-60 Hz supplying 19 VDC	<b>WARRANTY</b>	Standard 3-year limited warranty Xplore's X-Care Program
<b>STORAGE OPTIONS</b>	User-accessible, tool-less removable drive cartridge Dual-drive capabilities in protective drive cartridge RAID 0,1 capable with dual SSD drives (JBOD support) Standard high performance 80GB mSATA SSD drive (up to 160GB with Dual SSDs)		
<b>INTEGRATED COMMUNICATIONS</b>	LAN: 10/100/1000 Gigabit Ethernet WIRELESS LAN: Intel® Centrino® Advanced-N6205 (802.11 a/b/g/n) OPTIONAL MOBILE BROADBAND : GOBI™ 3000 Wireless HSDPA/HSUPA, EVDO (Rev A) BLUETOOTH: 2.1 + EDR KEYPAD: Programmable Radio Toggle (Wireless On/Off) DEDICATED GPS: Dedicated GPS and Antenna receiver modules (2 meter and sub-meter options)		
<b>SECURITY</b>	Biometrics/Fingerprint Reader (X and Y navigation capabilities) TPM 1.2 Intel® Anti-Theft Computrace® Application Agent option Kensington lock slot		
<b>COLLABORATION</b>	Stereo Speakers with high definition audio Noise Canceling Microphone Integrated 3 Megapixel digital camera (rear-facing) for still and video imaging, bar code capable)		