



*Rugged Mobile Computers  
for Real World Environments*

## **iX104C<sup>4</sup>M™** Military Rugged Tablet

*Versatile and tough, the iX104C<sup>4</sup>M provides the most functional Tablet PC designed specifically for mission critical Military applications.*

Based upon the award winning commercial system, the M-series has been specially engineered and field-proven for military applications. Be it extreme temperatures, high altitude to hot deserts, blowing rain to scorching sun, salt fog, rough roads or high impacts the M-series system performs.

Powered by Intel dual core technology and Microsoft operating systems, the M series also passes stringent RE-102 and RS-103 tests to ensure performance on flight decks and around sensitive equipment. This allows easy viewing of all of your critical data in bright desert sun or with night vision goggles on Xplore's optically engineered display.

The iX104C<sup>4</sup>M enables programs to adapt this rugged mobile solution to most vehicles from HMMWVs to MRAP vehicles. Onboard ports on the tablet provide users with the ability to utilize



iX104C<sup>4</sup>M Military Rugged Tablet

off-the-shelf accessories as well as customized devices to meet mission specific objectives. Furthermore, expansion options include serial expansion units, telematics modules, GPS, and depot diagnostics fixtures.

The iX104C<sup>4</sup>M underwent significant redesign to stretch its tolerance of extreme environments. To prove it, Xplore's M series of products have undergone complete MIL-STD testing as well as military field tests to validate their rugged endurance.

## Processor Specifications

- CPU: Intel U2500
- Chipset: Intel 945GME - 533 MHz FSB
- Processor Speed: 1.2 GHz Dual Core

## Dimension and Weight

5.00 lbs (2.268 kg) (DJG2) with standard battery  
11.20"W x 8.25"H x 1.60"D  
(284.4 x 209.5 x 40.7mm)

## Interface Specifications

- Wireless Radio Bays: One User Accessible Type 1 or Type II PC card slot (PCMCIA card bus version 3.0)
- Integrated Wireless: One mini-PCI Express OEM radio bay Bluetooth 2.0 + EDR Intel® Wireless WiFi Link 4965AGN (802.11 agn) HSPA Mobile Broadband (Optional) EVDO (Rev. A) Mobile Broadband (Optional)
- Integrated Interfaces: DC in Two USB 2.0 Microphone and Headset jack LAN (RJ-45) 10/100/1000 Mbit/s 9 pin Serial Port with RS232/422/485 compatibility VGA Port (optional) Remote SIM socket for HSPA
- Keypad/User Controls: Application buttons with primary and secondary functions Power on/ Resume button Reset button Integrated Finger Print Scanner
- Status Indicators: Power, charge/DC-in, HDD Indicator

## Power Specifications

- Main Battery: (Standard) Six cell removable Lithium ION prismatic 7.4V @ 5700 mAh (41Whr) Recharge time: 2.5 hours (90%) Life: up to 3.5 hours Suspend life: Minimum three days
- Extended Life Battery: (Optional) Eight cell removable Lithium ION prismatic 7.4V @ 7600 mAh (55Whr) Recharge time: 3.5 hours (90%) Life: up to 4.5 hours Suspend life: Minimum 5 days
- Bridge Battery: Six cell NiMH, 45mAh Life (with suspend-to-RAM on bridge battery only): 3.5 minutes from full charge
- AC Adapter: Auto sensing 100-240V, 50-60Hz supplying 19VDC, 3.42A current
- Battery Storage: (Recommended) Temperature: 32° to 140° F (0° to 60° C) at 40 to 60% capacity
- Battery Charge: (Recommended) 32° to 113° F (0° to 45° C)

## Memory & Storage Specifications

- Main RAM: 1GB DDR2 and optional 2GB DDR2
- L2 Cache: 2MB on-die
- BIOS ROM: 8Mbit (FWH)
- Hard Disk Drive: 120GB IDE HDD (DJG2) with hard drive heater User accessible optional 32GB SSD

## Audio Specifications

- Audio: ACC 262 On-board microphone with noise cancellation On-board integrated stereo speakers

## Additional Specifications

- Operating System: Microsoft Windows XP Tablet Edition or Vista Business

## Display Specifications

- Display: 0.4" XGA TFT (1024x768), 16M colors, 32-bit true color Active digital sensor Optional resistive touch digitizer (Dual Mode) Optional Dual Mode AllVue™ Xtreme LCD technology for enhanced indoor/outdoor display
- Brightness: 100 levels
- Contrast Ratios: Typical 250: 1 (minimum 100:1)
- VRAM: Intel Graphic Media Accelerator driver for mobile 128MB shared memory

## Environmental Specifications

- Temperature: MIL-STD 810F methods 501.4 & 502.4 Operating: -4° to 140° F (-20° to ° +60C) Cold Boot (battery): 32° F (0° C) @ 70% charge Storage: -64° to 167° F (-51° to +71° C) Cold Boot (AC adapter): +14° F (-10° C)
- Thermal Shock: MIL-STD 810F Method 503.4 Procedure II - Cyclic 10° C / minute over -51° C to +71° C
- Humidity: MIL-STD 810F method 507.4 3% to 95% non-condensing
- Transit Shock: MIL-STD 810F method 516.5 Procedure IV Up to 4' drop to 3/4" plywood over concrete, all surfaces, edges and corners
- Vibration: MIL-STD 810F method 514.5C-17 0.04g<sup>2</sup>/Hz, 20Hz - 1000Hz -6dB/octave 1000Hz - 2000 Hz
- Vehicular Vibration: MIL-STD 810F method 514.5C-3 Composite wheeled vehicle (7Hz to 500 Hz)
- Enclosure Class: MIL-STD 810F method 510.4 Procedure 1 and Procedure 2 Procedure 1: Blowing Dust Dust: Particle size < 149 µm, Particle Density: 10 ±7 g/m<sup>3</sup> particle density, Wind Speed: 1.5 m/s to 8.9 m/s wind speed Procedure 2: Blowing Sand Sand Particle Size: 150 µm to 850 µm Particle Density: 2.2 ± 0.5 g/m<sup>3</sup> Wind Speed: 18 - 29 m/s MIL-STD 810F method 509.4 Salt fog: 5% saline for 48 hours (12 wet, 12 dry, 2 cycles) MIL-STD 810F method 505.4 Procedure 2 Solar radiation: 1120 W/m<sup>2</sup> (355 Btu/ft<sup>2</sup>/hr) UVB @ 50° C, 7x24 hr cycles IP 65 equivalence.

## Agency Approvals

- Emissions: CE Mark EN55022 (CISPR22) Class B MIL-STD 461E e-Mark EN55024 UL60950, EN60950
- Immunity: Atex Zone 2, Category 3 UL1604 Class 1 / Div 2
- Safety: RoHS Compliant



Xplore Technologies is a registered trademark of Xplore Technologies Corporation of America. All trademarks contained herein are the sole property of their respective owners. All technical data and specifications are subject to change without notice.

10/2009

7171 Sterling Ponds Court | Sterling Heights, Mich. | 48312 | (800) 966-7283 | sales@rave.com

www.rave.com