



*Rugged Mobile Computers  
for Real World Environments*

## **iX104C<sup>4</sup><sup>TM</sup>** Rugged Tablet PC Family

***Versatile and durable the iX104C<sup>4</sup> Tablet PC packs power and function into the most rugged mobile computer in the industry.***

Tough as nails and built with industry leading technology, Xplore has developed a feature rich solution, our new iX104C<sup>4</sup>, to address the needs of the growing rugged mobile computing market.

### **Powerful**

Xplore's rugged mobile computers are designed to deliver industry leading technology. The iX104C<sup>4</sup> is powered by an Intel dual core processor which enables it to utilize the full power of Windows operating systems: Vista Business and XP Tablet PC Edition. This powerful combination enables organizations to distribute more applications in the field and increase worker productivity.

### **Secure**

Trusted Platform Module (TPM) technology is embedded into every iX104C<sup>4</sup>. This security feature ensures that information like keys, passwords and digital certificates stored within are made more secure from external software attacks and physical theft. Xplore's iX104C<sup>4</sup> also incorporates a durable fingerprint reader for Windows security authentication. In addition a Kensington lock interface enables the device to be physically secured.

### **Accessible**

The user accessible hard drive and PCMCIA bays can be employed for compact flash cards or Xplore approved wireless cards.

### **Durable**

Triple-layer Magnesium housings along with a patented bumper system and customized gaskets enable the iX104C<sup>4</sup> to survive even in the most challenging environments. The award winning iX104 design withstands exposure to drops on concrete, vibration, extreme temperatures, dust and moisture.

### **Versatile**

The multifaceted design of our iX104C<sup>4</sup> enables organizations to adapt this rugged mobile computer to address current and

future needs. Onboard ports on tablet and docking stations provide users with the ability to utilize off-the-shelf accessories to expand functionality of the device. Special rugged connectors enable the iX104C<sup>4</sup> to interface with Xplore developed expansion modules such as our xGPS and xSwipe modules.

### **Viewable**

Xplore's rugged iX104 family incorporates award winning technology with portability that provides organizations a tool to easily view electronic forms, geospatial data, video, schematics and other critical information on site where the work actually gets done. AllVue Xtreme is the best indoor/outdoor viewable technology on the market enabling end users to see the information they need in all conditions.

### **Easy to Use**

Auto sensing Dual Mode technology gives end users the ability to interface with information using pen or touch capability. Entering information directly at the work site enables organization to eliminate any need for double entering of information and updates records more quickly while increasing the accuracy of data entered.

### **Mobile**

The iX104C<sup>4</sup> has redesigned antennas for superior performance with wireless options including wLAN, wWAN, PAN (Bluetooth) and GPS. Long life Lithium Ion battery technology with warm swap capability supports extended field use away from wired power sources. Carry cases and mobile mounts enable these industry leading rugged computers to be used in a variety of locations.

### **Low Cost of Ownership**

The award winning rugged design of the iX104 helps it last longer in demanding environments, equipping it to withstand damage that would stop a normal computer in its tracks. Xplore's Tablet PCs are designed, third party tested and warranted to US Military Standards (MIL-STD 810F). Don't put up with flimsy substitutes, choose Xplore.

## 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) with standard battery  
11.20"W x 8.25"H x 1.60"D  
(284.5mm x 209.60mm x 40.60mm)

## Interface Specifications

- Wireless Radio Bays: One User Accessible Type I or Type II PC card slot (PCMCIA cardbus version 3.0)  
One mini-PCI Express OEM radio bay
- Integrated Interfaces: DC in  
Two USB 2.0  
Microphone and Headset jack  
LAN (RJ-45) 10/100/1000 Mbit  
9 pin Serial Port with RS232/422/485 compatibility  
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: Six cell removable Lithium ION prismatic (Standard)  
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: Eight cell removable Lithium ION prismatic (Optional)  
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): 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) Temperature: 32° to 113° F (0° to 45° C)

## Memory & Storage Specifications

- Main RAM: 1GB DDR2 and optional 2 GB DDR2
- L2 Cache: 2MB on-die
- BIOS ROM: 8Mbit (FWH)
- Hard Disk Drive: 120GB IDE HDD with hard drive heater  
User accessible optional 32G 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: 10.4" 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  
100 levels
- Brightness: Horizontal 30 degrees (minimum)  
Vertical 10 degrees (minimum)
- Viewing Angle: Typical 250: 1 (minimum 100:1)
- Contrast Ratios: 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 60° C)  
Storage: -40° to 167° F (-40° to 75° C)  
Cold Boot (battery): 32° F (0° C) @ 70% charge  
Cold Boot (AC adapter): any  
1.5° C < 5° C / minute over -20° C to 60° C
- Thermal Shock: MIL-STD 810F method 507.4
- Humidity: 0 to 95% non-condensing  
MIL-STD 810F method 516.5
- Transit Shock: Up to 4' drop to concrete, all surfaces, edges and corners  
MIL-STD 810F method 514.5C-17  
0.4g<sup>2</sup>/Hz, 20Hz - 1000Hz  
-6dB/octave 1000Hz - 2000 Hz
- Vibration: MIL-STD 810F method 514.5C-17  
Composite wheeled vehicle
- Vehicular Vibration: MIL-STD 810F method 510.4 procedure 1  
Sand & dust: Particle size < 149 µm,  
10 ±7 g/m<sup>3</sup> particle density,  
1.5 m/s to 8.9 m/s wind speed  
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  
Solar radiation: 1120 W/m<sup>2</sup>  
(355 Btu/ft<sup>2</sup>/hr)  
UVB @ 50° C, 7x24 hr cycles)  
IP 65 equivalence.
- Enclosure Class:

## Agency Approvals

- Emissions: EN55022 (CISPR22) Class B  
FCC 15, Class B; CE  
EN55024
- Immunity: UL 60950,  
EN60950
- Safety (per Wistron): RoHS Compliant



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Call Toll-Free North America: 1.888.44.XPLORE (9.7567) International: +358 9 4730 2671

Email: info@xploretech.com

www.xploretech.com