



*Rugged Mobile Computers  
for Real World Environments*

## **iX104C<sup>3</sup><sup>TM</sup>** Rugged Tablet PC Family

*Created for today's world where there is no longer any room for 'down time,' the new iX104C<sup>3</sup> Tablet PC is the essential rugged mobile computer designed to satisfy customer requirements.*

By utilizing our innovative rugged, mobile wireless technology and incorporating new key features, Xplore has developed and commercialized the well-defined robust Tablet PC to meet customers' needs in an expanding worldwide market. Durability and reliability are built into the design of every component.

### **Powerful**

Compatibility is not an issue with Xplore's rugged mobile computers. Our products are designed around industry standards. At the heart of the iX104C<sup>3</sup> is an Intel Pentium M 753 processor that enables the use of a full Windows operating system. Mobile workers can leverage the same applications that they would in an office environment. Flexible implementation allows for compatibility with the rapidly growing base of connections.

### **Secure**

Xplore's iX104C<sup>3</sup> incorporates a durable fingerprint reader for Windows security authentication.

### **Accessible**

A user accessible hard drive and a user accessible PCMCIA bay can be used for compact flash cards or Xplore approved wireless cards.

### **Durable**

The iX104C<sup>3</sup> offers a patented design, which incorporates a triple-layer Magnesium housing with a bumper system and customized gaskets, that enables it to survive in demanding work environments including exposure to vibration, extreme temperatures, moisture, dust or drops to concrete.

### **Versatile**

With Xplore's iX104C<sup>3</sup>, numerous options allow customers to obtain computing solutions that will accommodate the future

needs of their organizations. Via its onboard ports as well as those on its docking solutions, users can add accessories, thereby increasing the functionality of their rugged computing solutions and better conduct day-to-day business activities. Special connectors enable the iX104C<sup>3</sup> to interface with Xplore modules i.e. xGPS and xSwipe modules.

### **Viewable**

The iX104C<sup>3</sup> integrates high-resolution, high-contrast display technology that enables end users to easily view GIS, video, schematics and other important geographical information. Equipped with Xplore's award-winning AllVue™ technology, it allows users to experience superior visualization whether they are operating in direct sunlight or in office lighting environments.

### **Easy to Use**

With the pen/touch technology incorporated into the design of the iX104C<sup>3</sup>, mobile workers can enter and manipulate information as needed while they are working remotely. No longer will mobile workers have to spend hours re-entering information from handwritten field documents into organization databases because the iX104C<sup>3</sup> allows mobile workers to enter information where the work happens, which can easily be uploaded via a network connection or portable storage media.

### **Mobile**

Long life Lithium Ion battery technology with warm swap capabilities supports extended field usage away from wired power sources. Wireless options include wLAN, wWAN, PAN (Bluetooth) and GPS; all can be used simultaneously allowing users extreme mobility.

### **Low Cost of Ownership**

The rugged design helps extend the life of the unit, protecting it from damage that would disable a normal computer. Xplore's Tablet PCs are engineered, third party tested and warranted to US Military Standards (MIL-STD 810F).

When your demanding application requires a truly rugged mobile computer – choose Xplore.

## Processor Specifications

- CPU: Intel Pentium M 753
- Chipset: Intel 855GME - 400 MHz
- Processor Speed: 1.2 GHz

## Dimension and Weight

4.95 lbs (2.5 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 User Accessible OEM radio bay
- Integrated Interfaces: DC in  
Two USB 2.0  
Microphone and Headset jack  
LAN (RJ-45) 10/100/1000 Mbit  
15 pin D-SUB connector for external VGA monitor  
Optional Bluetooth/56K modem combo module  
Remote SIM socket for eGPRS
- Keypad/User Controls: Application buttons with primary and secondary functions  
Power on/Suspend/Resume button  
Reset button  
Integrated Finger Print Scanner
- Status Indicators: Power, charge/DC-in, warning

## 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 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: 512 MB and Optional 1 GB
- L2 Cache: 2MB on-die
- BIOS ROM: 8Mbit (FWH)
- Hard Disk Drive: 40GB IDE HDD (2.5" shock mounted)  
(User Accessible) Optional 80GB IDE HDD  
With hard drive heater

## Audio Specifications

- Audio: AC'97 codec  
On-board microphone with noise cancellation  
On-board integrated stereo speakers

## Additional Specifications

- Operating System: Microsoft Windows XP Tablet Edition

## Display Specifications

- Display: 10.4" XGA TFT (1024x768), 16M colors, 32-bit true color  
Active digital sensor  
Optional resistive touch digitizer (Dual Mode)  
Optional AllVue™ LCD technology for enhanced indoor/outdoor display
- Brightness: 16 levels
- Viewing Angle: Horizontal 30 degrees (minimum)  
Vertical 10 degrees (minimum)  
Typical 250:1 (minimum 100:1)
- Contrast Ratios: Typical 250:1 (minimum 100:1)
- VRAM: Intel Extreme Graphics 2 technology  
64MB 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
- Thermal Shock: 1.5°C < 5°C / minute over -20°C to 60°C
- Humidity: MIL-STD 810F method 507.4  
0 to 95% non-condensing
- Transit Shock: MIL-STD 810F method 516.5  
Up to 4' drop to concrete, all surfaces, edges and corners
- Crash Shock: MIL-STD 810F method 516.5  
75g, 11ms, Terminal sawtooth
- Vibration: MIL-STD 810F method 514.5C-17  
0.4g<sup>2</sup>/Hz, 20Hz - 1000Hz  
-6dB/octave 1000Hz - 2000 Hz
- Vehicular Vibration: MIL-STD 810F method 514.5C-17  
Composite wheeled vehicle
- Enclosure Class: 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

## Agency Approvals

- Emissions: EN55022 (CISPR22) Class B  
FCC 15, Class B; DOC Class B; CE Mark  
EN55024
- Immunity: FCC 15, Class B; DOC Class B  
cUL listed, UL 1950, third edition  
TuV T-Mark, EN60950  
CSA Haz-Loc Class I  
DIV 2 with 41Whr and 55Whr batteries  
and all wireless radios
- Safety (per Wistron): e-mark approval, e11 022821  
Atex Zone 2, Category 3  
RoHS Compliant



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