



*Rugged Mobile Computers
for Real World Environments*

iX104C⁴TM Rugged Tablet PC Family

Versatile and durable the iX104C⁴ 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 iX104C⁴, 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 iX104C⁴ 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 iX104C⁴. 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 iX104C⁴ 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 iX104C⁴ 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 iX104C⁴ 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 iX104C⁴ 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 iX104C⁴ 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)
- Integrated Interfaces: One mini-PCI Express OEM radio bay
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
- 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
- Vibration: MIL-STD 810F method 514.5C-17
0.4g²/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/m³ 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/m²
(355 Btu/ft²/hr)
UVB @ 50° C, 7x24 hr cycles)
IP 65 equivalence.

Agency Approvals

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

95-01090 (Rev A) 8/2008

Call Toll-Free North America: 1.888.44.XPLORE (9.7567) International: +358 9 4730 2671 Email: info@xploretech.com

www.xploretech.com