



*Rugged Mobile Computers
for Real World Environments*

iX104C4™ Lite Rugged Tablet PC

The iX104C4 Lite Tablet PC packs extreme ruggedness and functionality into a mobile device.

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.

Power To Get The Job Done

The iX104C4 Lite Tablet PC is designed with enough processing power to get the job done. Powered by Intel® Celeron® M processor technology, the iX104C4 Lite utilizes the full power of Windows operating systems Vista Business and XP Tablet PC Edition, enabling organizations to distribute 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, password 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 physically secures the device for added security.

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. With AllVue Xtreme displays end users see the information they need whether indoors or in direct sunlight.

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 Celeron M 423
- Chipset: Intel 945GME - 533 MHz
- Processor Speed: 1.06 GHz

Dimension and Weight

5.00 lbs (2.268kg) 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
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/Suspend/Resume button
Reset button
Integrated Finger Print Scanner
- Status Indicators: Power, charge/DC-in, warning

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 20VDC, 3.42A current
- Battery Storage: Temperature: 32° to 140° F (0° to 60° C) at 40 to 60% capacity (Recommended)
- Battery Charge: Temperature: 32° to 113° F (0° to 45° C) (Recommended)

Memory & Storage Specifications

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

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 and Vista

Display Specifications

- Display: 10.4" XGA TFT (1024x768), 16M colors, 32-bit true color
Active digital sensor
Optional resistive touch digitizer (Dual Mode)
- Brightness: 100 levels
- Viewing Angle: Horizontal 30 degrees (minimum)
Vertical 10 degrees (minimum)
- Contrast Ratios: Typical 250: 1 (minimum 100:1)
- VRAM: Intel Extreme Graphics 2 technology
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
- Crash Shock: MIL-STD 810F method 516.5 - 75g, 11ms, Terminal sawtooth
- 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
e-mark approval, e11 022821
RoHS Compliant



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