



*Rugged Mobile Computers
for Real World Environments*

iX104C³TM Rugged Tablet PC Family

Created for today's world where there is no longer any room for 'down time,' the new iX104C³ 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 iX104C³ 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 iX104C³ 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 iX104C³ 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 iX104C³, 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 iX104C³ to interface with Xplore modules i.e. xGPS and xSwipe modules.

Viewable

The iX104C³ 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 iX104C³, 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 iX104C³ 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: 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 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: 256 MB DDR RAM
Optional 512 MB and 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
0.4g²/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 512.4 procedure 1
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)
Contamination by fluids: Detergents,
brake fluid, aromatic hydrocarbons
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
- Safety (per Wistron): 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
e-mark approval, e11 022821
Atex Zone 2, Category 3
RoHS Compliant



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