

iX104C⁴

XPLORE TECHNOLOGIES



Takes what you give it and asks for more.

FIELD SERVICE | MANUFACTURING | WAREHOUSING | LAW ENFORCEMENT | TRANSPORTATION | DISTRIBUTION | UTILITIES | ENERGY | FIRE & EMS

ULTRA RUGGED Tough as nails and built with industry-leading technology, the iX104C⁴ is a feature rich mobile computing solution. The award-winning rugged design of the iX104C⁴ enables it to function in the most demanding environments that would stop most mobile computers in their tracks. The iX104C⁴ and C4 Lite Tablet PC's are designed, third party tested and warranted to US Military Standards (MIL-STD 810F) helping to lower the Total Cost of Ownership and instill end-user confidence in their mobile computing toolkit.

BUILT WITH AND FOR END USERS Xplore™ focuses heavily on customer needs and direct end-user feedback as well as market and technology trends to define and design our products. In working directly with end-users, client project teams, component vendors and industry experts we arrive at a customer approved family of products that crosses several vertical markets. These products provide our customers with the highest probability of success in achieving their goals and objectives while using the system.

VERSATILE Onboard ports on the tablet and docking stations provide users with the ability to utilize off-the-shelf accessories to expand functionality of the device. AllVue Xtreme™ optical enhancements and Dual Mode™ (digital pen and finger touch) inputs allows users to easily interact with and view electronic forms, geospatial data, video, schematics and other critical information on site where the work actually gets done and in any lighting condition.

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TECHNICAL SPECIFICATIONS

PROCESSOR SPECIFICATIONS

C⁴ CPU: Intel® U2500, 1.2 GHz Dual Core
C⁴ LITE CPU: Intel® M423, 1.06 GHz Dual Core
CHIPSET: Intel® 945GME - 533 MHz FSB

DIMENSION AND WEIGHT

11.20"W x 8.25"H x 1.60"D (284.4 x 209.5 x 40.7mm)
5.2 lbs (2.35 kg) with 55Whr battery

INTERFACE SPECIFICATIONS

WIRELESS RADIO BAYS: One User Accessible Type I or Type II PC Card Slot (PCMCIA Card Bus Version 3.0)
One Mini-PCI Express OEM Radio Bay

INTEGRATED WIRELESS: Bluetooth 2.0 + EDR
Intel® Wireless WiFi Link 4965AGN (802.11 agn)
HSPA Mobile Broadband (Optional)
EVDO (Rev. A) Mobile Broadband (Optional)

INTEGRATED INTERFACES: DC in
Two USB 2.0 Ports
Microphone and Headset jacks
LAN (RJ-45) 10/100/1000 Mbit/s
9 pin Serial Port with RS232/422/485 compatibility
Remote SIM socket for HSPA

KEYPAD/USER CONTROLS: Application buttons with primary & secondary functions
Power on/Resume button
Reset button
Integrated Finger Print Scanner

STATUS INDICATORS: Power, Charge/DC-in, HDD Indicator

POWER SPECIFICATIONS

EXTENDED LIFE BATTERY: Eight Cell Removable Lithium ION Prismatic
7.4V @ 7600 mAh (55Whr)

RECHARGE TIME: 3.5 hours (90%)

RECHARGE LIFE: Up to 4.5 hours

SUSPEND LIFE: Minimum 5 days

BRIDGE BATTERY: Six Cell NiMH, 45mAh

BRIDGE BATTERY LIFE: 3.5 minutes from full charge
(Suspend-to-RAM on Bridge Battery only)

AC ADAPTER: Auto sensing 100-240V, 50-60Hz supplying 19VDC,
3.42A current

BATTERY STORAGE: 32° to 140° F (0° to 60° C) at 40-60% capacity (Recommended)

BATTERY CHARGE: 32° to 113° F (0° to 45° C) (Recommended)

MEMORY AND STORAGE SPECIFICATIONS

MAIN RAM: 1GB DDR2, 2GB DDR2 (Optional)

L2 CACHE: 2MB on-die

BIOS ROM: 8Mbit (FWH)

HARD DISK DRIVE: 160GB IDE HDD with Hard Drive Heater
User Accessible 80GB, 160GB SSD (Optional)

AUDIO SPECIFICATIONS

AUDIO: ACC 262
On-board Microphone with Noise Cancellation
On-board Integrated Stereo Speakers

ADDITIONAL SPECIFICATIONS

OPERATING SYSTEM: Microsoft Windows 7, or
Microsoft Windows XP Tablet PC 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 Dual Mode AllVue™ Xtreme LCD technology
for enhanced indoor/outdoor display

BRIGHTNESS: 100 levels

CONTRAST RATIOS: Typical 250:1 (minimum 100:1)

VRAM: 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 & 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-3

Composite Wheeled Vehicle

ENCLOSURE CLASS: MIL-STD 810F METHOD 510.4 PROCEDURE I

Sand & Dust: Particle Size: < 149 µm

Particle Density: 10 ± 7 g/m³

Wind Speed: 1.5 m/s to 8.9 m/s

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 hour cycles

IP 65 Equivalence

AGENCY APPROVALS

EMISSIONS: CE Mark EN55022 (CISPR22) Class B; e-Mark; FCC Part 15
EN55024

IMMUNITY: UL60950; EN60950; Atex Zone 2, Category 3;
SAFETY: UL1604 Class 1 / Div 2; RoHS Compliant