

# iX104C<sup>4</sup>CR™

XPLORE TECHNOLOGIES



*Quiet processors for clean rooms.*

HEALTHCARE | LIFE SCIENCES | MICROCHIPS | COMPUTER TECHNOLOGY | INFORMATION TECHNOLOGY | NANOTECHNOLOGY | BIOMEDICAL

**BUILT FOR CLEAN ROOMS** Tough as nails and built with industry-leading technology, the iX104C<sup>4</sup>CR is designed for the unique needs of laboratory environments, as found in such markets as Life Sciences, Pharmaceuticals, and Chip Manufacturing. Because Xplore™ understands the unique clean room environment, the smallest of details have been taken into consideration to assure a safe and effective clean room computer solution.

**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 critical information in the clean room where the work actually gets done and in any lighting condition.

# iX104C<sup>4</sup>CR™

## TECHNICAL SPECIFICATIONS

### PROCESSOR SPECIFICATIONS

**C<sup>4</sup> CPU:** Intel® U2500, 1.2 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 jack  
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; Audio Output on Speaker Jack  
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 122° F (-20° to 50° C)

**STORAGE:** -40° to 167° F (-40° to 75° C)

**COLD BOOT (BATTERY):** 32° F (0° C) @ 70% charge

**COLD BOOT (AC ADAPTER):** 14° F (-10° C)

**COLD BOOT (DOCK):** -4° F (-20° C)

**THERMAL SHOCK:** 1.5° C < 5° C/minute over -20° C to 50° C

**HUMIDITY:** MIL-STD 810F METHOD 507.4

0% to 95% non-condensing

**VIBRATION:** MIL-STD 810F METHOD 514.5C-17

0.4g<sup>2</sup>/Hz, 20Hz-1000Hz

-6dB/octave 1000Hz-2000 Hz

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

Sand & Dust: Particle Size: < 149 µm

Particle Density: 10 ± 7 g/m<sup>3</sup>

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/m<sup>2</sup> (355) Btu/ft<sup>2</sup>/hr

UVB @ 50° C, 7x24 hour cycles

IP 65 Equivalence

### AGENCY APPROVALS

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

**IMMUNITY:** RoHS Compliant

**DuraTech USA Inc.**

**A Certified 8(a), SDB, DBE, SBE, MBE, WBE firm.**

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