

iX104R™ Specifications

iX104R Specifications	
Physical Specifications	
Dimensions	11.20" x 8.25" x 1.6" (WxHxD) 283.9mm x 209.3mm x 40.8mm
Weight	4.45 lbs. (2.02kg)
Processing Specifications	
CPU	Ultra Low Voltage Mobile Intel Pentium III – M with SpeedStep technology
Chipset	Intel 830M – 133MHz
Processor Speed	866 MHz
Memory / Storage Specifications	
Main RAM	<ul style="list-style-type: none"> - 256MB SDRAM (on-board/PC133) - 144-pin SO DIMM modules 512MB module available as BTO or in Power Pak Special rugged memory modules: custom locking tabs to protect against shock and vibration
L1 Cache (CPU)	32KB on-die
L2 Cache	512KB on-die
BIOS ROM	8Mbit (FWH)
Hard Disk Drive	<ul style="list-style-type: none"> - 2.5" HDD shock mounted - Minimum 20GB IDE HDD - Ultra DMA 100, 4200RPM
Display Specifications	
Display	<ul style="list-style-type: none"> - Color LCD - Active Digital Sensor and Pen - 32-bit True color - 10.4" TFT XGA (1024x768), 16M colors - Brightness: 16 levels - Viewing Angle: Horizontal: 30 degrees (min.) Vertical: 10 degrees (min.) - Contrast Ratio: Typ. 250:1, Min 100:1

VRAM	Intel 830M chipset with 48MB shared memory using Unified Memory Architecture (UMA) delivers low-power, high-performance 3D/2D graphics, video, and display capabilities. Dynamic Video Memory Technology (DVMT) dynamically responds to application requirements and efficiently allocates the proper amount of memory (48MB max.) for optimal graphics and system performance.		
Interface Specifications			
Wireless Bays	<table border="0"> <tr> <td style="text-align: right; vertical-align: top;">Radio</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> - One internal Type 1 or Type II PC Card slot (PCMCIA Cardbus version 3.0) - One Internal mini-PCI slot - One internal OEM radio bay </td> </tr> </table>	Radio	<ul style="list-style-type: none"> - One internal Type 1 or Type II PC Card slot (PCMCIA Cardbus version 3.0) - One Internal mini-PCI slot - One internal OEM radio bay
Radio	<ul style="list-style-type: none"> - One internal Type 1 or Type II PC Card slot (PCMCIA Cardbus version 3.0) - One Internal mini-PCI slot - One internal OEM radio bay 		
Integrated Interfaces	<ul style="list-style-type: none"> - DC-in - USB (1) 2.0 - Microphone Jack - Headset Jack - IEEE 1394 (S400 4 –pin) - LAN (RJ-45) - 15-pin D-SUB connector for external VGA monitor 		
KeyPad / User Controls	<ul style="list-style-type: none"> - Application Buttons with primary, secondary and tertiary functions - Power On/Suspend/Resume button - Reset Button - Integrated Joystick slew control 		
Audio	<ul style="list-style-type: none"> - AC'97 Codec - On-board microphone with noise cancellation - On-board integrated stereo speakers (1W) 		
Status Indicators	Power, Charge/DC-in, Warning		

Power Specifications	
Main Battery	<ul style="list-style-type: none"> - 2 cell - Removable Lithium ION Polymer - 6.4V @ 4500mAh - Warm-swappable - Recharge Time: 2.5 hrs (90%) - Life: Up to 3 hours. (Battery Life is dependent upon operating system, power management, and applications in use.) - Suspend Life: Min. 3 days
Optional Extended Life Battery – in Power Pak	<ul style="list-style-type: none"> - 4 cell - Removable Lithium ION Polymer - 6.4V @ 9000mAh - Warm-swappable - Recharge Time: 3.5 hrs (90%) - Life: Up to 6 hours. (Battery Life is dependent upon operating system, power management, and applications in use.) - Suspend Life: Min. 5 days
Bridge Battery	<ul style="list-style-type: none"> - 6-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 19 VDC, with a current of 3.42 A
Environmental Specifications	
Temperature	<ul style="list-style-type: none"> - Operating: -4° to 140° F (-20° to 60° C) - Storage: -40° to 167° F (-40° to 75° C) MIL-STD 810F Methods 501.4 and 502.4 Thermal Shock: 1.5°C < 5°C / minute over -20°C to 60°C verified during MIL-STD-810F testing
Humidity	0% to 95% non-condensing MIL-STD 810F Method 507.4
Transit Shock	Up to 4' drop to concrete, all surfaces, edges and corners MIL-STD 810F Method 516.5 Crash Shock: 75g, 11ms, Terminal Sawtooth MIL-STD-810F Method 516.5
Vibration	0.04g ² /Hz, 20Hz – 1000Hz -6dB/octive 1000Hz – 2000Hz MIL-STD 810F Method 514.5C-17

	Vehicular Vibration: Composite Wheeled Vehicle Method 514.5C-17
Enclosure Class	Blowing Rain / Drip 4"/Hr, 40mph Wind / 7 gal/ft ² /hr MIL-STD-810F Method 506.4 Procedures I and III Sand and Dust: Particle Size <149 μm, 10 ± 7 g/m ³ particle density 1.5 m/s to 8.9 m/s Wind Speed MIL-STD-810F Method 510.4 Procedure I Salt Fog: 5% saline for 48 hr (12 hr. wet, 12 hr. dry, 2 cycles) MIL-STD-810F Method 509.4 Contamination by Fluids: Detergents, brake fluid, aromatic hydrocarbons Solar Radiation: 1120 W/m ² (355 Btu/ft ² /hr) UVB @ 50°C, 7x24 ;hr cycles MIL-STD-810F Method 505.4
Low Pressure	15,000 ft. in accordance with MIL-STD-810F Method 500.4 Procedure I
Agency Approvals	
Emissions	<ul style="list-style-type: none"> - EN55022 (CISPR22) Class B - FCC 15, Class B - DOC Class B - CE MARK
Immunity	<ul style="list-style-type: none"> - EN55024 - FCC 15, Class B - DOC Class B
Safety	<ul style="list-style-type: none"> - UL and cUL Listed, UL 1950, 3rd Edition - TuV T-Mark, EN60950
Additional Specifications	
Operating Systems	<ul style="list-style-type: none"> - Microsoft Windows XP Professional Tablet PC Edition