RFID READY

Rugged Windows XP Tablet PC

IDEAL FOR MOBILE WORKERS IN HARSH ENVIRONMENTS

The iX104 ™ pen computers are the first rugged Tablet PCs engineered from the ground up exclusively around Microsoft's versatile and powerful Windows XP Tablet PC Edition Operating System. The iX104 mobile computing systems support WWAN, WLAN and GPS allowing workers to take the benefits of the Windows XP Tablet PC beyond the office and into the field, the warehouse or wherever mobile workers operate. Designed and third-party tested to Military Environmental Standards (Mil STD 810F), the iX104 is ideal for enterprise applications and vertical market customers seeking enhanced input functionality and the convenience of multiple input devices.

FLEXIBILITY

- Powerful Intel Pentium III-M Ultra Low Voltage (ULV) processor
- Dock/undock ability without risk of damage or data loss
- Built-in Wireless Communication supports simultaneous WLAN, WWAN and GPS

INTEGRATION

- Utilises Microsoft's Tablet PC O/S enabling digital pen function across other Microsoft and 3rd party ISV software programs
- Incorporates Xplore's Rapid Configuration Bay allowing units to be easily customised, maintained and upgraded
- Features XPL snap-on expansion option accommodating 2 different peripheral modules which share a common interface allowing developers to customise the modules

RUGGEDNESS

- Magnesium alloy multi-tiered internal frame
- Withstands multiple 1.2m (4') drops to concrete on all surfaces
- Environmental rating IP54 (iX104R and RD) IP67 (iX104T and TD)

ERGONOMICS

- Clipboard Footprint
- Weight – under 4.5 kg
- 246mm TFT LCD, XGA screen is very readable under varying lighting conditions including daylight
- Screen rotation for landscape and portrait use.

PSION TEKLOGIX

information in motion

Specifications

SUPER RUGGED CONSTRUCTION

The iX104 has been engineered for the most demanding applications. Extreme environments, high mobility or specific application challenges are met by Xplore's innovative and patented designs.

- Rugged magnesium chassis
- Patented industrial bumper system
- Sealed and protected against harsh environments
- Salt fog resistant enclosure
- Size: 284.5mm (11.20'') X 209.6mm (8.25'') X 40.6mm (1.6'') (WxHxD)
- Weight: Approx. 2 kg. (4.45 lbs.) with standard battery

XPLORE OPTICALLY ENHANCED INDOOR/OUTDOOR DISPLAY

- 264mm (10.4") XGA TFT Transmissive Hi-Brite LCD
- Automatically controlled backlight with 8 steps of brightness - Manual override
- Intel 830M Integrated Graphics up to 48MB shared SDRAM

POWERFUL, INDUSTRY-LEADING PERFORMANCE

- ULV Intel Pentium III processor-M, 1.1V 866MHz standard
- 256MB - 512MB SO-DIMM SDRAM @ 133MHz
- Design compliant to PC2001/2 specification
- 63.5mm (2.5") rugged, shock mounted HDD (20GB - 40GB; expansion planned)

WIRELESS RADIO SUPPORT

The iX104 can accommodate up to two (2) internal, sealed wireless radios in the Rapid Configuration Bay:

- Internal Mini-PCI slot
- Internal Type II PC Card slot
- Internal OEM module bay
- 2 * Integrated frequency matched antennas (1 * 900Mhz - 1.8GHz, 1 * 2.5 - 5GHz)
- External Antenna pass-thru for WAN radios via vehicle docking system
- Integrated 802.11b, GSM/GPRS and CDMA options available (call for approved countries)
- Integrated GPS module and antenna with WAAS correction capability

EXTENDED PORTABLE POWER

- Power input 9 - 26V, 3A
- ACPI 1.2, OnNow and Energy Star Compliant design
- Suspend/Resume/Save-to-Disk
- 4500 mAh Li ION Polymer Phosphate (28Whr) standard
- 9000 mAh Li ION Polymer Phosphate (56Whr) (option)
- Smart Charge
- Warm swap of main battery (suspend mode operation)
- 45 mAh rechargeable bridge battery

USER INTERFACE

- Active stylus or Resistive finger touch (Dual mode tablets only)
- 8 key backlit keypad - Tablet PC keys and user programmable buttons
- 5-way navigation joystick

SUPERIOR AUDIO QUALITY

- Integrated AC97 Audio-Sound Blaster Pro Capabilities
- 2* 1W audio amplifier with integrated and protected stereo speakers
- Integrated Noise Cancelling Microphone

OPERATING SYSTEM

- Windows XP Tablet PC Edition
- Windows 2000 Professional

X-DOCK DURABLE VEHICLE MOUNTING SOLUTIONS

- Secure cradle with cable harness and Port Replicator Module (PRM)
- Available ports on the Active X-Dock PRM include:
  - 2* USB 2.0 ports
  - 1* 15-pin CRT port
  - 1* P1394/IEEE (Firewire) port
  - 1* Microphone jack
  - 1* Power jack
  - 1* DB9 Power port
  - 1* Stereo headphone jack
  - 2* RS-232 ports (DB9)
  - 1* Parallel port (DB25)
- Integrated Key Lock on cradle
- Coaxial Antenna port on cable (Active X-Dock)

X-STAND OFFICE DOCKING SOLUTIONS

- User friendly quick dock/undock function
- Available ports on Active X-Stand include:
  - 2* USB 2.0 ports
  - 1* 15-pin CRT port
  - 1* P1394/IEEE (Firewire) port
  - 1* RJ-45 LAN port
  - 1* Microphone jack
  - 1* Power jack
  - 1* Stereo headphone jack
  - 1* PS/2
  - 1* RS-232 port (DB9)
  - 1* Parallel port (DB25)
- Integrated single battery charger (Active version)
- Integrated CD-ROM (Active version)

THE IX104 - ON-BOARD CONNECTIVITY

- Tablet provides external connectivity via onboard ports:
  - 1* Docking port
  - 1* RJ-45 LAN port
  - 1* USB 2.0 port
  - 1* 15-pin CRT port
  - 1* P1394/IEEE (Firewire) port
  - 1* Stereo headphone jack
  - 1* Microphone jack
  - 1* Power jack

ACCESSORIES

- Portfolio and Shoulder Carry Cases
- USB Non-Rugged and Rugged Keyboards
- Vehicle Mounting Packages and Accessories

WARRANTY

- Standard warranty varies by model
- Warranties back by independent 3rd party testing
- Extensions available for up to 5 years of total coverage

ENVIRONMENTAL SPECIFICATIONS

- Temperature: MIL-STD 810 F, Method 501.4 & 502.4
  Operating Temp: -20° to +60° C (-4° to 140° F)
  Storage Temp: -40° to +75° C (-40° to 167° F)
- Enclosure Class (Rain&Dust):
  iX104R and iX104RD Models:
  MIL-STD 810 F, Methods 512.4 procedure 1 (moisture) and 510.4 procedure 1 (blowing dust) and 506.4 (blowing rain)
  iX104T and iX104TD Models:
  MIL-STD 810F, Method 510.4 and 512.4 Immersion in 30cm of water for 30 minutes; IP67 equivalence (core electronics bay including main logic board, hard drive, memory, radio cards)
- ESD: EN50082-1 20Kv (IEC 1000-4-2) FCC Class B, Cispr 22 ANSI European CE, EN 55022
- Drop & Shock: MIL-STD 810F, Method 516.5 Operating: 20g, 11ms, terminal saw tooth Non-Operating: 40g, 11ms, terminal saw tooth
  Crash: 75g, 11ms, terminal saw tooth Up to 1.2m (4') drop to concrete, all surfaces, edges and corners (26 drops)
- Safety:
  iX104R and iX104RD Models: UL, CSA iX104T and iX104TD Models: IEC60950-UL 1604
  Class I, Division 2, Groups A, B, C, and D ATEX Zone 2, Category 3
- Vibration: MIL STD 810F, Method 514.5 Operating: Composite Wheeled Vehicle, random 5 Hz to 500 Hz, approximately equivalent to 1.53 grms (vertical), 1.96 grms (longitudinal), 1.60 grms (horizontal) Non-Operating: Integrity Test, random 0.04g^2/Hz, 20Hz - 1000Hz, -6dB/active 1000Hz-2000Hz, approximately equivalent to 8 grms
- Humidity: MIL-STD-810F Method 507.4 0% to 95% (+3/-5%) non-condensing
- Salt Fog: MIL-STD-810F Method 509.4
- Solar Radiation: MIL-STD-810F Method 505.4

*Specifications are subject to change without notification.

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