

Xplore iX104™

Rugged Pen Tablet Computer



TABLET COMPUTER

The Power of Desktop Computing in the Toughest Environments

Symbol Technologies joins forces with Xplore Technologies® to bring you the iX104 Rugged Pen Tablet computer that delivers all the desktop power you need to run mission-critical applications in the field, right at the point of activity.

The large-screen Xplore iX104 is designed, tested and warranted to MIL-STD-810F. It's built to be more rugged than traditional laptop and pen tablet computers to provide increased productivity and mobility to users in a variety of markets and applications:

Market	Applications	User
Transportation and Logistics		
Airport car rental	Customer check-in	Bus drivers
Railroad	Monitoring and track inspection	Field technicians
Auto dealership	Vehicle repairs	Mechanics
Aircraft	Maintenance, repair, overhaul	Mechanics
Manufacturing		
Automotive	Inspection and process controls	Quality control and process management
Warehouse	Pick and store	Forklift operators, Pickers
Pharmaceutical	Clean room manufacturing	Clean room technicians
Field Service and Engineering		
Petrochemical	Asset maintenance, Process reliability, Condition monitoring	Asset maintenance technicians, Reliability engineers, Field technicians
Utilities	Asset maintenance, inspection and repair	Field technicians
Military/ Government	Asset maintenance, inspection and repair	Field/depot technicians

When Total Cost of Ownership (TCO) is Vital

Delivering high performance and durability, the Xplore iX104 Rugged Pen Tablet computer comes with built-in investment protection packaged into a compact, lightweight, slate-style design. A dense, multi-layered magnesium chassis and patented rubber bumpers protect the system from excessive shock and sudden impact—including vibrations associated with forklifts, trucks and public safety vehicles. An upgrade path to future generations of Intel® processors provides a longer product life cycle. And it's easy to integrate real-time connectivity with wireless wide area network (WWAN) communications and/or wireless local area network (WLAN). These powerful features keep TCO to a minimum for a maximum return on your investment.

Rugged, Large-Screen Tablets for True Mobility

The Xplore iX104 Rugged Pen Tablet computer is designed to help you improve productivity and reduce costs. And you can rollout with confidence because it comes from Symbol



Features	Benefits
Microsoft® Windows® XP Tablet PC Edition OS or Windows XP Pro OS	Take advantage of "in the office" applications when in the field
Digital ink feature (Tablet PC OS only)	Write directly on the screen, save your handwritten notes or convert to typed text for pasting into applications
Touchscreen (Windows XP Pro OS)	Enables interaction at the touch of a finger, even through gloves
Enhanced display (10.4 in. XGA color LCD)	Improves user productivity with a large, easy to see display
Intel Pentium® III-M 866 MHz CPU and 830M chipset	Delivers power to support rich graphical drawing and documentation data bases
Rugged construction with magnesium chassis and patented protection system (4.45 lbs)	Deploy with the confidence that your device will survive in harsh computing environments and when dropped
Xplore Rapid Configuration Bay (xRCB)	Perform maintenance and upgrades quickly and efficiently
Built-in wireless communication—simultaneous WWAN and WLAN radios	Enables users to stay connected anytime, anywhere mobility
Xplore Snap-On expansion modules	Expands mobile device for GPS, digital imaging or scanning
Hot keys	Gives quick access to common tasks
Docking stations—desktop, vehicle or wall	Allows you to provide "grab and go" mobility

Technologies—a global leader in secure mobile information systems that integrate application-specific handheld computers with wireless networks for data and voice and bar code data capture.

For more information about the Xplore iX104 Rugged Pen Tablet computer, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: www.symbol.com/iX104

Xplore iX104™ Specification Highlights

Physical Characteristics

Dimensions:	8.25 in. H x 11.20 in. W x 1.6 in. D 209.3 mm H x 283.9 mm W x 40.8 mm D
Construction:	Rugged magnesium chassis Patented industrial bumper system
Weight:	4.45 lbs /2 kg with standard battery
Drop Specification:	Up to 4 ft. to concrete, all surfaces, edges and corners (26 drops)
Display:	Xplore Optically Enhanced Indoor/Outdoor Displays; Automatically controlled backlight with 8 steps of brightness—Manual override; Intel 830M Integrated Graphics up to 48MB shared SDRAM Standard: 10.4 in. XGA TFT Transmissive LCD Optional: 10.4 in. XGA TFT Transmissive Hi-Brite LCD
Power: Input:	ACPI 1.2, OnNow and Energy Star Compliant design 9 - 18V, 3A
Battery:	Extended portable power; Suspend/Resume/Save-to-disk; Smart Charge; Warm swap of main battery (suspend mode operation); 45mAh rechargeable bridge battery Standard: 4500 mAh Li ION Polymer Phosphate (28WWhr) Optional: 9000 mAh Li ION Polymer Phosphate (56WWhr)
Environmental Sealing:	MIL-STD 810 F, Methods 512.4 procedure I (moisture) and 510.4 procedure I (blowing dust); Immersion in 30cm of water for 30 minutes; IP67 (core electronics bay including mainlogic board, hard drive, memory, radio cards) IP54 (when I/O doors open)
Vibration: Operating:	According to MIL STD 810F, Method 514.5 Composite Wheeled Vehicle, random 5 Hz to 500 Hz, approximately equivalent to 2.18 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
Shock Specification: Operating:	MIL-STD 810F, Method 516.5 20g, 11ms, half sine
Non-Operating:	40g, 11ms, half sine
Operating Temperature:	-4° to 140° F/-20° to 60° C
Storage Temperature:	-40° to 167° F/-40° to 75° C
Humidity:	0 to 95% (+3/-5%) noncondensing
User Interface:	Hi-Resolution Inductive digitizer (Tablet PC OS), HID compliant interface; or 6-wire Resistive Touchscreen with Active Palm Rejection (XP Pro OS); 6-key backlit keypad - Tablet PC keys and User Programmable keys; 5-way slew control

Performance Characteristics

CPU:	ULV Intel Pentium III processor-M, 1.1V 866MHz standard; Design compliant to PC2001/2 specification
Operating Platform:	Windows XP Tablet PC Edition Windows XP Professional
Memory:	256MB - 512MB SO-DIMM SDRAM @ 133MHz; 2.5 in. rugged, shock mounted HDD (20GB - 40GB)
Audio:	Integrated AC97 Audio-Sound Blaster Pro Capabilities; (2) 1W audio amplifier with integrated and protected stereo speakers; Integrated Microphone
On-board Connectivity:	
Sealed ports (IP67):	(1) USB 1.1 for Xplore snap-on expansion module; (1) USB 2.0 for Xplore snap-on expansion module; (1) Docking port
Covered ports (IP54):	(1) 10/100 BT Ethernet w/ RJ-45 port; (1) USB 2.0 port; (1) CRT port; (1) P1394 port; (1) Stereo in/out jack - 1 Mic.; (1) Power jack

Wireless Data Communications

Wireless Radio Support:	Accommodates up to two internal, sealed wireless radios: Internal Mini-PCI slot, Internal Type II PC Card slot, Internal OEM module bay, Two Integrated frequency matched antennas (900MHz - 1.8GHz, 2.5 - 5GHz), External Antenna pass-thru for WAN radios
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Peripherals and Accessories

Vehicle/Wall Docking Station:	Secure Cradle with cable harness and I/O break-out box (Break-out box has same ports as desktop dock)
Office Docking Station:	(1) USB 2.0 port; (1) 15-pin CRT port; (1) P1394 port; (1) RJ-45 LAN port; (1) Microphone jack; (1) Power jack; (1) Stereo headphone jack; (1) PS/2; (1) RS-232 port (DB15); (1) Parallel port (DB25)
Xplore Snap-On Expansion Modules (optional):	Digital Camera; Finger Print Scanner; dGPS Module; Bluetooth Radio
Other Accessories:	Hands Free Folio Style Carry Case; Clamshell Rugged Carry Case; USB Mini Keyboard; Car Charger (CLA)

Regulatory

Electrical Safety:	IEC60950 (UL 1604 upgrade option)
Electrostatic Discharge (ESD):	EN50082-1 20Kv (IEC 1000-4-2); FCC Class B, Cisprr 22 ANSI; European CE, EN 55022

About Xplore Technologies®

Xplore Technologies Corp.—a leading-edge worldwide computer company—engineers, manufactures, markets and supports rugged mobile computing systems, which are among the most innovative and high-end systems on the market.

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