

iX104C5-M2

The iX104C5-M2 with Integrated CAC: THE Secure DMSR Fully-Rugged Tablet PC



SERIOUS SECURITY

Fully Integrated CAC: Built Into Tablet Chassis
MIL-STD 461F, 810G and IP67 Tested
Most Rugged Tablet in Its Class
Best Outdoor Display - Viewable in Any Condition
Single or Dual SSD with RAID Option
Cool Touch Thermal System for Extreme Temperatures
Only Field Upgradable and Repairable Tablet Available
CAC Standards:

IP-65 rated card housing, IP-67 maintained for tablet
MIL-STD 810G qualified
Supports standard ISO 7816 smart cards
FIPS 201-1 compliant *

CAC CARD READER CARTRIDGE

DEPARTMENT OF HOMELAND SECURITY | LAW ENFORCEMENT | DEPARTMENT OF DEFENSE | STATE AND FEDERAL AGENCIES | FIRE & EMS

The Integrated CAC Reader makes the iX104C5-M2 the most rugged, powerful and flexible tablet PC in its class.

PROVEN RUGGED IN THE REAL WORLD

Military personnel depend on their mobile computing systems to execute mission plans, perform daily tasks and in some cases save lives. Designed for and with frontline personnel, the iX104C5-M2 with CAC stands up to real world conditions such as 4' operating drops to concrete, driving rain, blowing sand and dust, constant vibration, temperature extremes and more. Independent MIL-STD-810G, 461F, IP67 and Hazardous Location testing in combination with rugged design innovations instill confidence the iX104C5-M2 with CAC reader will protect critical data and deliver high performance in the most challenging tactical conditions.

INTEGRATED COMMON ACCESS CARD / SMART CARD READER

The CAC reader supports standard ISO 7816 smart cards such as the Common Access Card (CAC) issued by the US Department of Defense and the Personal Identity Verification (PIV) issued by other agencies of the US Government and is CCID Compliant. Xplore's CAC solution helps ensure proper data access to critical information appropriate to the user's security clearance.

XTREME PERFORMANCE

Powered by the Intel® Core i7 processor, the iX104C5-M2 with CAC offers the most advanced performance platform in its class. This iX104C5-M2 solution enables government and military organizations to confidently deploy multi-mission applications in the field, thereby helping to enhance situational response times and improve efficiencies. Furthermore, performance degradation in high and low temperature extremes is negligible*.

FIELD-PROVEN DESIGNS

Xplore's iX104C5-M2 delivers maximum input flexibility and usability with an optically-engineered rugged sunlight-readable display and innovative auto-switching dual-mode digitizer that supports both gloved-touch and active pen inputs on the fly. A single solid state drive (with integrated heater) delivers industry-leading reliability, performance, and data integrity.



FIELD REMOVABLE FOR SERVICEABILITY

LOOK NO FURTHER.



iX104C5-M2 Dual-Mode Sunlight-Readable Military Tablet PC Specifications

FULLY-RUGGED	Multi-layered Stornoway Grey magnesium chassis MIL-STD-810G, MIL-STD-461 and IP67 tested Hazardous Location Certified Piston Sealing, Rugged SSD Cartridge	PORTS	AC/DC power Docking connector USB 2.0 (x2) RJ-45 Headphone/speaker & microphone VGA (9-pin serial port option - RS232/RS422/RS485) MicroSD & SIM socket (tool-less removable door) Top & Side XPL Pin & Pad Expansion ports
PROCESSOR	Intel® Core™ i7, 620 UE processor Turbo Boost Technology (up to 2.13GHz) 1.06 GHz / 800-1067MHz FSB / 4 MB Intel® Smart Cache	INPUT AND STATUS INDICATORS	Dual-Mode Auto-Sensing Touch & Active Pen Input Programmable Application Buttons Power on/Resume button, Reset Button, CTL/ALT/DEL, Screen orientation X + Y navigation (mouse-like) via biometric scanner STATUS INDICATORS: Power, Charge/DC-in, SSD LEDs
CHIPSET	Intel® QM57 Express	DIMENSIONS/WEIGHT	11.2" (284.4 mm) x 8.25" (209.5 mm) x 1.6" (40.7 mm) (W x H x D) Starting at ~ 5 lbs (2.27 kg)
GRAPHICS	Mobile Intel® High Definition (HD) Graphics	PERIPHERALS AND DOCKING	Compatible with any Xplore commercial mobile docking solutions, (excluding XStand)
DISPLAY	10.4" XGA (1024 x 768) rugged LED backlit display Dual-Mode Sunlight Readable - Best outdoor sunlight readability Contrast Ratio = 600:1 (typical) Automatic Light Sensor (ALS), NVIS compatible Dual-Mode auto-sensing Touch & Pen input	ENVIRONMENTAL SPECIFICATIONS	Independently-tested to MIL-STD-810G: OPERATING TEMPERATURE: -32° F to 140° F (-36° C to 60° C) -49° F (-45° C) with ext power or MDock STORAGE TEMPERATURE: -60° F to 160° F (-51° C to 71° C) HUMIDITY: 3% - 95% non-condensing THERMAL SHOCK: -60° F to 160° F (-51° C to 71° C) BLOWING RAIN: 4"/hr (101.6 mm/hr), 40 mph wind, 30 min. per side BLOWING SAND AND DUST: 30 mph wind source, 30 min. VIBRATION: Minimum Integrity, Vehicle Vibration, US Highway Truck Vibration SALT FOG: 5% saline exposure, 48-hr exposure ALTITUDE: 50,000 ft (15,240 m) operating OTHER TESTS: Functional and Crash Shock, Contamination by Fluids, Fungus & Solar Radiation, Bench Shock
MEMORY	Standard 4GB DDR3 (up to 1333 Mhz) Expandable up to 8 GB (Windows® 7, 64-bit) User-accessible bay	BEYOND MIL-STD-810G	TRANSIT DROP – OPERATING: 4' (1.22 m): drop direct to concrete while system is operating, 26 drops TRANSIT DROP – OPERATING: 7' (2.13 m): drop direct to plywood over concrete with system is operating, 26 drops
OPERATING SYSTEMS	Genuine Microsoft® Windows® 8, Pro, 32-bit Genuine Microsoft® Windows® 8, Pro, 64-bit	IEC INGRESS TESTING	IEC (60529) Ingress Tested to an IP65 standard (10-Cell Battery) Submersion-resistant, dust-tight
SOFTWARE	xConnect Mobile Broadband Connection Manager with NDIS xCapture photo and video for landscape & portrait capture	EMISSIONS, IMMUNITY AND SAFETY	EMISSIONS: MIL-STD 461F: CE101, CE102, CS101, CS114, CS115, CS116, RE101, RE102, RS101, RS103, FCC Part 15, CE Mark EN55022 (CISPR22) Class B, E-Mark (XDock) IMMUNITY: EN55024 Safety: UL and EN60950-1 2nd Ed, ATEX/IECEx Zone 2/Category 3 Compliant, UL 1604 (ISA Std 12.12-CSA Std C 22.1) Class I/Division II (Z:A-D) certified
BATTERY	Standard Extended Life 10-cell Li-Ion battery (68.5 Whr) User Removeable Up to 6.5hrs battery life Warm Swap Capabilities	OTHER	ROHS, Energy Star 5.0 Compliant, EPEAT Silver Certified
POWER SUPPLY	Auto sensing 100-240V, 50-60Hz supplying 19VDC	WARRANTY	Standard 3-year limited warranty Xplore's XDefend Program optional
STORAGE OPTIONS	User-accessible, tool-less removable drive cartridge Dual-drive capabilities in protective drive cartridge RAID 0, 1 capable with dual SSD drives (JBOD support) Standard high-performance 160GB mSATA SSD drive, with integrated heater		
INTEGRATED COMMUNICATIONS	LAN: 10/100/1000 Gigabit Ethernet (RJ-45) WIRELESS LAN: Intel® Centrino® Advanced-N6205 (802.11 a/b/g/n) KEYPAD: Programmable Radio Toggle (Wireless On/Off) DEDICATED GPS: Dedicated GPS & Antenna receiver modules (2 meter and sub-meter options)		
SECURITY	CAC Reader is an ISO 1716-x compliant interface device (IFD) Intrinsically secure computing platform ICC recognition Biometrics/Fingerprint Reader (X/Y navigation capabilities) Certified TPM 1.2 Intel® Anti-Theft Computrace® Application Agent (optional) Kensington lock slot		
COLLABORATION	Stereo Speakers with high-definition audio Noise Canceling Microphone Integrated 3 Megapixel digital camera (rear facing) for still & video imaging, bar code capable (Dual-Mode)		

* self declared and currently under evaluation

* independent testing over entire thermal operating range shows performance degradation is <1%.

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