The iX104C5
DMSR-M2 TABLET
WITH INTEGRATED CAC READER

Secure Sunlight Readable Ultra-Rugged Military Tablet PC

CAC Reader

5th GENERATION RUGGED

The iX104C5-M2 with integrated CAC Reader is the most rugged, powerful and highly secure tablet PC in its class.

THE MOST RUGGED TABLET ON EARTH

- o Fully Integrated CAC: Built Into Tablet Chassis
- o MIL-STD 461F, 810G and IP67 Tested
- o Most Rugged Tablet in Its Class
- o AllVue™ Xtreme–Industry's Best Outdoor Display
- o Single or Dual SSD with RAID Option
- o Cool Touch™ Thermal Management
- o Only Field Upgradable and Repairable Tablet
- o Powerhouse Performance Intel® Core™ i7 Platform
- o 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*

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 DMSR-M2 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.

UNPARALLELED PERFORMANCE

Powered by the modern Intel® Core i7 processor, the M2 offers the most advanced performance platform available. With dual SSDs and up to 8GB of memory, government and military organizations can confidently deploy multi-mission applications. A user-configurable RAID array boosts read/ write times and allows for data redundancy. It regulates temperature with unique remote heat exchanger technology, while still maintaining a submersible IP-67 rating.

FIELD PROVEN DESIGN

The iX104C5 offers an optically engineered rugged sunlight-viewable display with with AllVue™ Xtreme technology and highly flexible input options. The user interface features an innovative auto-switching digitizer supporting both glove-touch and active pen inputs. Enhanced multi-modal wireless communications like Wi-Fi and a sub-meter GPS lets users readily view critical information on-site and in real-time. High reliability and low failure rates in combination with industry-leading user-accessible upgrade bays, allows the iX104 family to deliver greater system uptime on the job and lowers the Total Cost of Ownership.

Windows 7 Professional / Windows® 8

FULLY RUGGED
Multi-layered Stornoway Grey magnesium chassis
MIL-STD-810G, MIL-STD-461 and IP67 tested
Piston Sealing, Rugged SSD Cartridge

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

CHIPSET
Intel® QM57 Express

GRAPHICS
Mobile Intel® High Definition (HD) Graphics

DISPLAY
10.4" XGA (1024 x 768) rugged LED backlit display
Dual-Mode Sunlight Readable - Best outdoor sunlight readability
1000 NITS
Contrast Ratio = 600:1 (typical)
Automatic Light Sensor (ALS), NVIS compatible
Dual-Mode auto-sensing Touch & Pen input

MEMORY
Standard 4 GB DDR3 (up to 1333 MHz)
Expandable up to 8 GB (Windows® 7, 64-bit)
User-accessible bay

OPERATING SYSTEMS
Genuine Microsoft® Windows® 7, 32-bit, 64-bit
Genuine Microsoft® Windows® 8, 32-bit, 64-bit

SOFTWARE
xConnect Mobile Broadband Connection Manager with NDIS
xCapture photo and video for landscape & portrait capture

BATTERY
Standard Extended Life 10-cell Li-Ion battery (68.5 Whr)
User Removeable
Up to 6.5hrs battery life
Warm Swap Capabilities

POWER SUPPLY
Auto-sensing 100-240 V, 50-60 Hz supplying 19 VDC

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 SSD drive

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 (optional): 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

PORTS
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

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

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 ~ 5.4 lbs (2.4 kg)

PERIPHERALS AND DOCKING
Compatible with Xplore commercial mobile docking solutions, (excluding XStand)

ENVIRONMENTAL SPECIFICATIONS
Independently Tested to MIL-STD-810G:
OPERATING TEMPERATURE: -30˚ F to 140˚ F (-34˚ C to 60˚ C)
COLD START: -4˚F (-20˚C)
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

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

IEC INGRESS TESTING
IEC (60529) Ingress Tested to an IP67 standard (CAC: IP65)
Submersion-resistant, dust-tight

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), EN 6 1000-3-2, CSA ICES-003, Issue 5
IMMUNITY: EN55024, EN61000-3-3
SAFETY: UL and EN60950-1 2nd Ed, CSA C22.2 No. 213-M 1987 (R2008), application currently being evaluated for ATEX and Class 1 Div 2 Certification

OTHER
ROHS, Energy Star 5.2 Compliant, EPEAT-Silver
RECYCLING PROGRAM:
www.xploretech.com/environment/recycle

WARRANTY
Standard 3-year limited warranty
Xplore's X-Care Program