



MILITARY PORTABLE

The MTP portable computer system is a rugged, high-performance computing platform contained in the highly versatile “lunchbox” style form factor, allowing for a self-contained computing unit complete with three high definition displays and human input devices.

The MTP is built to CP North America’s high standard of ruggedness and will meet or exceed MIL-spec levels of performance in demanding environments. Additionally, the MTP may be configured with COTS componentry, allowing each unit to meet the levels of performance needed without compromising on its durability or its portability. All this is backed by CP North America’s 5-year warranty, revision control and configuration management programs to ensure adequate support for the product throughout the life of the program.



CHASSIS SPECIFICATIONS

DIMENSIONS	19.5" x 12.1" x 14.6" (495.3mm X 307.34mm X 370.84mm) Max deployed width: 56.5" (1435.1mm)
WEIGHT	40 lbs (approximate weight. Varies with configuration)
CONSTRUCTION	Formed and machined 5052-H32 and 6061-T6 aluminum alloy construction
POWDERCOATING	Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C241-BK110 polyester semi-gloss, fine texture
PLATING	Chem-Film per MIL-C-5541F, Type II, Class 1A

HARSH ENVIRONMENTS

CP North America designs, builds, and tests our ruggedized offerings to meet MIL-STD-810, 461, and 901. This includes environmental factors such as high altitude, extreme temperatures, EMI, humidity, sand and dust, vibration, and shock.

Who We Are

CP North America designs, fabricates, and integrates standard and customized high-performance computing platforms and LCD monitors for military, industrial, and commercial applications.

Using COTS components, CP North America provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.

CP North America is an ITAR Registered and ISO 9001:2015 Certified business that has been operating for over twenty years.

Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered

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TECH SPECS

COMPUTER

CPU	Intel Core or Xeon options available
MEMORY	Varies by configuration
STORAGE	(x2) sealed SATA drives, (x4) removeable SATA drive bays, M.2 drives depending on configuration
EXPANSION SLOTS	Up to (x7) Expansion card slots
LAN	(x1) RJ45 Gigabit Ethernet, varies by configuration
I/O	DB-9 RS232 serial, USB 3.0, USB 2.0
INPUTS	Detachable 97-Key sealed touchpad keyboard featuring IP67 dust and splash resistance and green LED backlighting.
POWER	Integrated AC wide ranging power supply with rear mount external MIL-SPEC locking connector. Also available in wide-range DC input.

DISPLAY

PANELS	(x3) 18.5" Full HD (1920x1080) LCD Panels mounted in a co-planar fashion LCD Displays fold and lock into place for transport
DISPLAY ENHANCEMENTS	3mm smudge-resistant AR coated soda lime float glass Optional EMI shielded cover glass
CONTRAST RATIO	1000:1
VIEWING ANGLE	80° (L/R/U/D)
RESPONSE TIME	25ms
BRIGHTNESS	400 cd/m2
COLORS	16.7M

QUESTIONS?

Reach out to us at
cpna.tech
or call 928.239.9500

ENGINEERED TO YOUR SPECIFICATIONS

- In-house engineering department
- Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
- Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
- Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-S-901, in addition to FCC, UL, CE, and country specific agency requirements

REVISION CONTROL & CONFIGURATION MANAGEMENT

- Our Program Managers will assure your products are revision controlled for the life of the program
- Configuration Management to assure TAA Compliance and system compatibility
- One part number for life of the program
- Counterfeit and obsolescence management

FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 50,000 sqft and has dedicated areas for manufacturing and engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a rigorous system test and burn-in before shipment to the customer
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA

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