



RUGGED SERVERS

CP North America specializes in providing rugged rackmount servers designed to meet the demanding requirements of diverse industries. These servers are engineered for durability and reliability in challenging environments, making them ideal for applications in defense, aerospace, industrial automation, and more. CP North America's rugged rackmount servers are built to withstand extreme conditions while also consistently delivering high performance computing capabilities. These servers feature robust construction and our proprietary SysCool advanced thermal management system to ensure optimal performance in all environments. With a commitment to quality and innovation, CP North America's rugged servers deliver dependable computing solutions for mission-critical tasks, making them a trusted choice for organizations seeking ruggedized and resilient server solutions.

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

CP North America
 2620 Deep Well Ranch Rd
 Prescott, AZ 86301
 cpna.tech
 928.239.9500



KEY FEATURES

SPECIFICATIONS

MOTHERBOARD	Support for ITX, M-ATX, ATX, and EATX Options. Single and Dual CPU configurations available
CPU	Intel or AMD supported
EXPANSION	Varies by chassis size and motherboard support. Up to 11 rear expansion cards
DIMENSIONS	19" Wide Standard Rackmount 1U to 5U Height Short and Full depth chassis options available
CONSTRUCTION	Front Panel: 0.187-0.25" milled 5052-H32 or 6061-T5 aircraft-grade aluminum Enclosure Body: 0.062-0.093" 5052-H32 aircraft-grade aluminum Rear Slot Panel: 16-18 gauge CRS, zinc plated, Grounding Stud on various models
POWDERCOATING	Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C214-BK110 polyester semi-gloss, fine texture
PLATING	Chem-Film per MIL-C-5541F, 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 HIGH & LOW TEMPERATURES**
- **EMI**
- **HUMIDITY**
- **BLOWING SAND AND DUST**
- **VIBRATION**
- **SHOCK**

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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