



# C300 SERIES

## COMMERCIAL 3U COMPUTER

Our Light Industrial 3U computing platforms can be used for many different applications ranging from lab, simulation, test to medical applications. Multiple add-in card options available. With the added security of sturdy construction, this system has revision controlled, long-life components that provide stability for long program duration.



## FEATURES

- 3U x 20.7-inch or 25.6-inch Chassis
- Extended-life ATX Motherboard Options with Long Life Processors
- Intel Core Single CPU and Xeon single/dual CPU Options
- (7) Plug-in Card Slots
- Single or Redundant Power Supply

## APPLICATIONS

- Aviation
- Broadcast
- Energy
- Telemetry
- Diagnostics
- Simulation
- C4ISR
- Communications
- Imaging
- Persistent Surveillance
- Public Safety
- Automation
- Test and Measurement
- Transportation
- Medical

## BENEFITS

- Revision-Controlled Components
- Long-Life Components
- Optimal for Long Program Life Cycles
- Excellent Value over Program Life
- Variety of Expansion Slots Available



## 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**  
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Prescott, AZ 86301  
cpna.tech  
928.239.9500



# TECH SPECS

## CHASSIS SPECIFICATIONS

<b>DIMENSIONS</b>	C313 - 19" X 5.25" X 20.7" (482.6mm X 133.4mm X 525.8mm) C346 - 19" X 5.25" X 25.6" (482.6mm X 133.6mm X 650.2mm)
<b>WEIGHT</b>	About 33-47lbs, varies by configuration
<b>CONSTRUCTION</b>	Heavy duty, cold-rolled electroplated steel chassis Front door with thumb twist keylock Removable/washable air filter Adjustable hold-down bar for plug-in cards Up to 4x 92mm Fans, SysCool™ Thermal Management Designed to fit motherboards up to ATX
<b>STORAGE</b>	C313 - 2x 5.25" Drive Bays, 8x 3.5" Drive Bays C346 - 6x 5.25" Drive Bays, 3x 3.5" Drive Bays
<b>POWER SUPPLY</b>	Single or Redundant 500W 110/220V AC Other options available.



## COMPUTER SPECIFICATIONS

<b>CPU</b>	Single Intel® Core™, Single or Dual Intel® Xeon™ series processors
<b>MEMORY</b>	Varies by configuration
<b>CHIPSET</b>	Varies by configuration
<b>RAID</b>	JBOD, 0, 1, 5. Other options available depending on configuration
<b>EXPANSION SLOTS</b>	Varies by configuration, up to 7 supported by chassis
<b>GRAPHICS</b>	Intel® and Nvidia® options available.
<b>OPTICAL DRIVE</b>	24x DVD-RW, other options available.

### 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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