



# C300

PERFORMANCE  
RACKMOUNT  
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 and Xeon CPU Options
- (7) Plug-in Card Slots
- Single or Redundant Power Supply

## 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 Systems designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.

Using COTS components, CP Systems 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 Systems 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 Systems**  
10840 Thornmint Road  
San Diego, CA 92127  
CP-Systems.Tech  
858.571.4330



# TECHNICAL SPECIFICATIONS

<b>CPU</b>	Intel® Core and single/dual Intel® Xeon options available
<b>MEMORY CAPACITY</b>	Varies by configuration
<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>OPTICAL DRIVE</b>	Varies by configuration
<b>EXPANSION SLOTS</b>	Varies by configuration, up to 7 supported by chassis
<b>FRONT USB PORTS</b>	2x USB ports
<b>SYSTEM COOLING</b>	Up to 4x 92mm Fans, proprietary SysCool™ intelligent adaptive fan controller and temperature alarm circuit board
<b>MOTHERBOARD CAPACITY</b>	Designed for up to ATX-sized motherboard
<b>POWER SUPPLY</b>	Varies by configuration, single and redundant options available
<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

## QUESTIONS?

Reach out to us at  
CP-Systems.Tech  
or call 858.571.4330

## 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-DTL-901, in addition to FCC, UL, CE, and country specific agency requirements

## FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20-20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

## 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

## QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA