



C200 SERIES

COMMERCIAL 2U COMPUTER

Our Light Industrial 2U computing platforms can be used for many computationally intensive applications, while taking limited rack space. Multiple add-in card options in either horizontal or vertical installations. With the added security of sturdy construction, this system has revision controlled, long-life components that provide stability for long program duration, perfect for lab, simulation, test and medical applications.



FEATURES

- 2U x 17.7-inches, 22.4-inches or 25.6-inches Chassis
- Extended-life ATX Motherboard Options with Long Life Processors
- Intel Core Single CPU and Xeon Single/Dual CPU Options
- Variety of Slot Options Including 2x PCIe x16 and Vertical (7) or Horizontal (3) Slots

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
 2620 Deep Well Ranch Road
 Prescott, AZ 86301
 cpna.tech
 928.239.9500



TECH SPECS

CHASSIS SPECIFICATIONS

DIMENSIONS	C213 - 19" X 3.5" X 17.7" (482.6mm X 88.9mm X 449.6mm) C220 - 19" X 3.5" X 22.4" (482.6mm X 88.9mm X 569.0mm) C221 - 19" X 3.5" X 25.6" (482.6mm X 88.9mm X 650.2mm)
WEIGHT	About 26-33lbs, varies by configuration
CONSTRUCTION	Heavy duty, cold-rolled electroplated steel chassis Front door with 2x thumb screws 4x 80mm cooling fans, SysCool™ Thermal Management Support for up to ATX sized motherboards
STORAGE	(C213) 1x 5.25" drive bay, 3x 3.5" drive bays (C220, C221) 4x 5.25" drive bays, 2x 3.5" drive bays
POWER SUPPLY	Single or Redundant 500W 110/220V AC Other options available.



COMPUTER SPECIFICATIONS

CPU	Single, Intel® Core™, Single or Dual Intel® Xeon™ series processors
MEMORY	Varies by configuration
CHIPSET	Varies by configuration
RAID	JBOD, 0, 1, 5. Other options available depending on configuration
EXPANSION SLOTS	Varies by configuration, up to 3 full-height (C213, C221) or 7 half-height (C220) supported by chassis
GRAPHICS	Intel® and Nvidia® options available.
OPTICAL DRIVE	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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