C400 SERIES

COMMERCIAL 4U COMPUTER

Our Light Industrial 4U 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

- 4U x 17.8-inch, 201.-inch, 26.4-inch Chassis Depths
- Extended-life ATX Motherboard Options with Long Life Processors
- Intel Core and Xeon CPU options
- (7) Plug-in Card Slots
- Card hold-down system
- 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
- Customizable I/O Connections
- 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	19" X 7" X 17.8" (482.6mm X 177.8mm X 452.1mm)
SHIPPING WEIGHT	About 88lbs, varies by configuration
CONSTRUCTION	Heavy duty, cold-rolled electroplated steel chassis Front door(s) with thumb twist keylock Removable/washable air filter Adjustable hold-down bar for plug-in cards SysCool™ Thermal Management Designed to fit up to ATX-sized motherboards
STORAGE	3x 5.25" Drive Bays, 1x 3.5" Drive Bay (C402, C414) 6x 5.25" Drive Bays, 1x 3.5" Drive Bay (C431)
POWER SUPPLY	Single or Redundant 110/220V AC

COMPUTER SPECIFICATIONS

CPU	Single Intel® Core™ or Single/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 7 supported by chassis
GRAPHICS	Intel® and Nvidia® options available.
OPTICAL DRIVE	24x DVD-RW, other options avaiable.

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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