C100 SERIES

North America

COMMERCIAL 1U COMPUTER

Our Light Industrial 1U computing platforms can be used for many computationally intense applications, while taking limited rack space. 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

- 1U x 16.0 or 21.3-inch Depth
- Extended-life ATX Motherboard Options with Long Life Processors
- Intel Core and Xeon CPU Options
- Single PCIe x16 Plug-In Card Slot

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
C 105 - 19" X 1.75" X 21.3" (482.6mm X 44.5mm X 541.0mm)
C112 - 19" X 1.75" X 16" (482.6mm X 44.5mm X 406.4mm)

SHIPPING WEIGHT
About 17lbs (C112) or 22lbs (C105), varies by configuration

CONSTRUCTION
Heavy duty, cold-rolled electroplated steel chassis
Front door with thumbscrew
Removable/washable air filter (C105 only)
3x 40x28mm cooling fans (C112)
4x 40x20mm cooling fans (front) and 2x 40x28mm (rear) (C105)
SysCool™ Thermal Management
Support for ATX size motherboards

STORAGE
2x 5.25" drive bays 1x 3.5" drive bay (C105)
1x 3.5" drive bay (C112)
Slim Optical Drive

POWER SUPPLY
Single or Redundant 110/220V AC

COMPUTER SPECIFICATIONS

CPU
Single Intel® Core™ or Xeon™ series processors

MEMORY
Varies by configuration

CHIPSET
Varies by configuration

RAID
JBOD, 0, 1, 5. (C105 Only)Other options available depending on configuration

EXPANSION SLOTS
1x PCI-Express 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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