



C100

PERFORMANCE
RACKMOUNT
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
- Intel Core and Xeon CPU Options
- Full-size ATX Motherboard support
- PCIe x16 Expansion Card support

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

CPU	Intel® Core and single/dual Intel® Xeon options available
MEMORY CAPACITY	Varies by configuration
STORAGE	2x 5.25" drive bays 1x 3.5" drive bay (C105) 1x 3.5" drive bay (C112)
OPTICAL DRIVE	Slim Slot-Fed Optical
EXPANSION SLOTS	Up to 1 full-height cards
FRONT USB PORTS	2x USB ports
SYSTEM COOLING	3x 40x28mm cooling fans (C112) 4x 40x20mm cooling fans (front) and 2x 40x28mm (rear) (C105) Proprietary SysCool™ intelligent adaptive fan controller and temperature alarm circuit board
MOTHERBOARD CAPACITY	Designed for up to ATX-sized motherboard
POWER SUPPLY	Varies by configuration, single and redundant options available
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)
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)

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