

Who We Are

CHASSIS PLANS

- Chassis Plans designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.
- Using COTS components, Chassis Plans 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.
- Chassis Plans is an ITAR Registered and SBA-certified small business that has been operating in Southern California for over a decade.

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

YOUR CONFIGURATION. ONE PART NUMBER.

- It's our mission to make your life easier. Our Sales Engineers will help you select the right configuration for your project, making sure the details are analyzed and that the system meets your specifications.
- One part number means easier procurement and less paperwork for you.
- Dedicated Sales and Program Managers.
- Last time buy opportunities for end-of-life components.

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

QUALITY COUNTS

- ISO 9001:2008 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
- 2-year warranty on all integrated systems and LCD monitor products
- Assembled in the USA



Models C52810, C52811

*Assembled in the USA
ISO 9001:2008 Certified
ITAR Registered*

Our C528 computing platform can be used for many computationally-intensive applications, while offering extensive drive bay options. With the added security of sturdy construction, this system has revision controlled, long-life components that provide stability for long program duration.

Specifications for our standard products can always be customized to fit your unique application requirements.

In-house Engineering Department

Rapid Prototyping

CPU Options

- Single or Dual Intel® Xeon® E5 Series

Drive Capacity

- 8(x) 5.25" External Drive Bay
- 1(x) 3.5" External Drive Bay

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

Environments

Components meet the below specifications.

HIGH TEMPERATURE

35°/50°C Operational, 70°C Storage

LOW TEMPERATURE

0°C Operational, -40°C Storage



For more information visit
www.chassis-plans.com
or call 858.571.4330

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C528-1216

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COTS Commercial Grade 5U Rackmount Computer System

MILITARY | INDUSTRIAL | COMMERCIAL



Chassis Specifications

DIMENSIONS

19" X 8.75" X 26.4" (482.6mm X 222.3mm X 670.6mm)

WEIGHT

88 pounds, weight varies by configuration

ENCLOSURE FEATURES

Construction

Heavy duty, cold-rolled electroplated steel

Front Door

Single door with 1(x) thumb twist keylock
Removable/washable air filter

Drive Capacity

8(x) 5.25" external drive bays
1(x) 3.5 external drive bay

Indicators

Power on, hard drive access, fan activity

Switches

System power, system reset, alarm reset switches

Card Retention

Adjustable hold-down bar for plug-in cards

FRONT USB PORTS

NA

SYSTEM COOLING

(4x) hot swappable 90mm cooling fans, thermal mgmt board

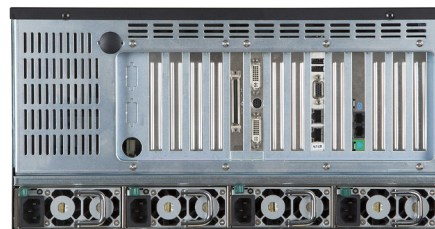
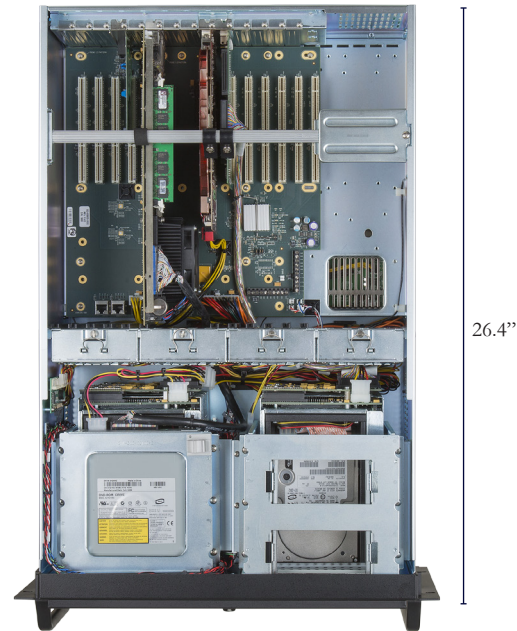
MOTHER BOARD CAPACITY

Designed for motherboards up to 15" X 13"

POWER SUPPLY

N+1 redundant 1500W 110/220 Volt AC
Other power options available

C528 Photos



I/O connectors are dependent upon the model selected. See specifications for details.



Computer Specifications

	C52810	C52811
CPU	Single or Dual Intel® Xeon® Processor E5-2658 (20M, 2.10 GHz, 8.0 GT/s Intel® QPI) OR Single or Dual Intel® Xeon® Processor E5-2428L (15M, 1.80 GHz, 7.2 GT/s Intel® QPI)	Single or Dual Intel® Xeon® Processor E5-2658 (20M, 2.10 GHz, 8.0 GT/s Intel® QPI) OR Single or Dual Intel® Xeon® Processor E5-2428L (15M, 1.80 GHz, 7.2 GT/s Intel® QPI)
CHIP SET	Intel® C600-A Platform Controller Hub (PCH), QPI up to 8.0 GT/s	Intel® C602 Platform Controller Hub (PCH), QPI up to 8.0 GT/s
MAX RAM	(16x) 240-pin DDR3, Max. 512GB DDR3 ECC Reg.	(16x) 240-pin DDR3, Max. 512GB DDR3 ECC Reg.
HARD DRIVES	Up to (8x) 2.5" SATA2, 500GB, 7200 RPM, 64GB cache standard. In fixed or removable configurations. Other rotating media and solid state storage sizes available	Up to (8x) 2.5" SATA2, 500GB, 7200 RPM, 64GB cache standard. In fixed or removable configurations. Other rotating media and solid state storage sizes available
RAID OPTION	JBOD, RAID 0, 1, 5	JBOD, RAID 0, 1, 5
OPTICAL DRIVE	24x DVDRW	24x DVDRW
EXPANSION SLOTS	(4x) double-width PCIe x16 (Gen 3.0), (1x) PCIe x8 (Gen 3.0), (1x) PCIe x4 (Gen 2.0)	(10x) PCIe x8 (Gen 3.0), (1x) PCIe x4 (Gen 2.0)
REAR I/O	(1x) DB-9 RS232 serial port, (4x) RJ45 GbE LAN ports, (4x) USB 2.0 ports, (1x) DB-15 VGA port	(1x) DB-9 RS232 serial port, (2x) RJ45 GbE LAN ports, (4x) USB 2.0 ports, (1x) RJ45 dedicated IPMI, DB-15 VGA port, (1x) UID switch
ON BOARD GRAPHICS	Matrox G200	Matrox G200eW
AUDIO	NA	NA
LAN	(4x) Gigabit through Intel® i350-AM Quad 10/100/1000 integrated GbE MAC and PHY controller	Dual Intel® i350 Gigabit ethernet ports & (1x) Realtek® RTL8201N PHY (dedicated IPMI)
O/S	Windows XP® Pro, Windows 7® Pro, 32 & 64-bit Other O/S Available	Windows XP® Pro, Windows 7® Pro, 32 & 64-bit Other O/S Available

