C221 Photos

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.

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.

Assembled in the USA
ISO 9001:2008 Certified
ITAR Registered

Our C221 computing platform 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.

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

Benefits

• Revision-Controlled Components
• Long-Life Components
• Optimal for Long Program Life Cycles
• Excellent Value over Program Life
• Variety of Expansion Slots Available

Environments

Components meet the below specifications.

HIGH TEMPERATURE
50°C Operational, 85°C Storage
C22109: 35°C Operational, 70°C Storage

LOW TEMPERATURE
0°C Operational, -20°C Storage
C22109: 0°C Operational, -40°C Storage

Who We Are

• 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.

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.

Assembled in the USA
ISO 9001:2008 Certified
ITAR Registered

Our C221 computing platform 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.

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

Benefits

• Revision-Controlled Components
• Long-Life Components
• Optimal for Long Program Life Cycles
• Excellent Value over Program Life
• Variety of Expansion Slots Available

Environments

Components meet the below specifications.

HIGH TEMPERATURE
50°C Operational, 85°C Storage
C22109: 35°C Operational, 70°C Storage

LOW TEMPERATURE
0°C Operational, -20°C Storage
C22109: 0°C Operational, -40°C Storage

CHASSIS PLANS

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.

Assembled in the USA
ISO 9001:2008 Certified
ITAR Registered

Our C221 computing platform 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.

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

Benefits

• Revision-Controlled Components
• Long-Life Components
• Optimal for Long Program Life Cycles
• Excellent Value over Program Life
• Variety of Expansion Slots Available

Environments

Components meet the below specifications.

HIGH TEMPERATURE
50°C Operational, 85°C Storage
C22109: 35°C Operational, 70°C Storage

LOW TEMPERATURE
0°C Operational, -20°C Storage
C22109: 0°C Operational, -40°C Storage
**Chassis Specifications**

**CPU**
- C22101: Single Intel® Core™ i7-860, 2.80GHz OR Single Intel® Core™ i5-660, 3.33GHz
- C22107: Single Intel® Core™ i7-3770 (8M Cache, up to 3.50GHz), Intel® Core™ i7-3770K (8M Cache, up to 3.50GHz), Single Intel® Core™ i7-2600 Processor (8M Cache, 3.40GHz)
- C22108: Single Intel® Xeon® Processor E3-1275 (8M Cache, 3.40GHz) OR Single Intel® Xeon® Processor E3-1225 (8M Cache, 3.10GHz)
- C22110: Single or Dual Intel® Xeon® Processor E5-2609 (2M, 2.00GHz, 8.0 GT/s x8 Intel® QPI) OR Single or Dual Intel® Xeon® Processor E5-2428L (15M, 1.80GHz, 7.2 GT/s x8 Intel® QPI)

**CHIP SET**
- Intel® Q77 Platform Controller Hub (PCH)
- Intel® Q67 Platform Controller Hub (PCH)
- Intel® 2186 Platform Controller Hub (PCH)
- Intel® C600-A Platform Controller Hub (PCH)
- Intel® Q67 Express

**MAX RAM**
- (4x) 240-pin DDR3, 16GB
- (4x) 240-pin DDR3, Max. 32GB
- (16x) 240-pin DDR3, Max. 512GB DDR3 ECC Reg

**HARD DRIVES**
- Up to (4x) SATA2, 500GB, 7200 RPM, 64GB cache standard. In fixed or removable configurations.
- Up to (4x) SATA2, 500GB, 7200 RPM, 64GB cache standard. In fixed or removable configurations.
- Up to (4x) SATA2, 500GB, 7200 RPM, 64GB cache standard. In fixed or removable configurations.
- Up to (4x) SATA2, 500GB, 7200 RPM, 64GB cache standard. In fixed or removable configurations.

**EXPANSION SLOTS**
- (3x) PCIe x16 (GEN 2.0), (3x) PCIe x4 & (3x) PCI (PCI 2.2)
- (1x) Mini-DIN-6 port, (1x) PS/2 mouse/keyboard, (1x) Micro port
- (3x) PCIe x16 (GEN 3.0), (3x) PCIe x4 (GEN 2.0)

**REAR I/O**
- 2x USB 3.0 ports, (1x) micro port
- 1x HDMI port, (2x) RJ45 LAN ports, (4x) USB 2.0/1.1 ports
- 1x Micro port

**ON BOARD GRAPHICS**
- Intel® HD Graphics
- Intel® HD Graphics
- Intel® HD Graphics 4000P

**AUDIO**
- Realtek® ALC262 Stereo Controller
- Realtek® ALC866 5.1-channel High Definition Audio
- Realtek® ALC866 5.1-channel High Definition Audio

**LAN**
- Realtek® RTL8111DL PCI Express Gigabit Ethernet controller and (1x) Intel® 82578DM with iAMT6.0 Gigabit Ethernet PHY
- Intel® 82579LM with iAMT7.0 Gigabit Ethernet controller and (3x) Intel® i350-AM Quad 10/100/1000 integrated GbE MAC and PHY controller

**O/S**
- Windows XP Pro, Windows XP 64-bit, Other O/S Available
- Windows XP Pro, Windows 7® Pro, 32 & 64-bit Other O/S Available
- Windows XP Pro, Windows XP Pro, Windows 7® Pro, 32 & 64-bit, Other O/S Available
- Windows XP Pro, Windows XP Pro, Windows XP Pro, Windows 7® Pro, 32 & 64-bit, Other O/S Available

**POWER SUPPLY**
- Single or Redundant 600W 110V/220V Hot AC/DC fans

**ENCLOSURE FEATURES**
- Construction
  - Heavy duty, cold-rolled electroplated steel
  - Single or Dual Intel® Xeon® Processor E5-2609 (2M, 2.00GHz, 8.0 GT/s x8 Intel® QPI) OR Single or Dual Intel® Xeon® Processor E5-2428L (15M, 1.80GHz, 7.2 GT/s x8 Intel® QPI)
  - Single Intel® Core™ i7-4770S OR Single Intel® Core™ i5-4570S

**WEIGHT**
- 33 pounds, weight varies by configuration

**ENCLOSURE FEATURES**
- Construction
  - Heavy duty, cold-rolled electroplated steel
  - Single or Dual Intel® Xeon® Processor E5-2609 (2M, 2.00GHz, 8.0 GT/s x8 Intel® QPI)

**System Cooling**
- (4x) 80mm cooling fans

**MOTHERBOARD CAPACITY**
- Designed for ATX-sized motherboard (13" X 12")