

# COTS Commercial Grade Portable Computer System

MILITARY | INDUSTRIAL | COMMERCIAL



# P317 Family

Models P31701, P31707 P31708 P31713

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

Our P317 portable computer systems are ready for jobs where a laptop isn't enough, but you can't bring your desktop where you need to go. Offering extensive screen space, excellent processing and a variety of plug-in options, these systems are a good fit for your portable computing requirements.

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

In-house Engineering  
Department

Rapid Prototyping

## Features

- 3(x) 17" SXGA 1280x1024 Monitors
- Rugged Aluminum Alloy Construction
- Detachable Keyboard with Touch Pad
- Three Hot Swap Drive Carriers
- Wheeled Padded Transit Case Included

## CPU Options

- Single Intel® Xeon® E3 Series
- Single Intel® Core i5® or i7®

## Applications

- Telemetry
- Diagnostics
- Simulation
- C4ISR
- Communications
- Imaging
- Persistent Surveillance
- UAVs
- Automation



## Benefits

- Preconfigured for Turnkey Operation
- Long-life Components
- Expansive Screen Space
- Ready for Transport
- Excellent Processing Power

## Environments

Designed to meet the below specifications.

### HIGH TEMPERATURE

50°C Operational, 60°C Storage

### LOW TEMPERATURE

0°C Operational, -20°C Storage

Contact us today!  
858.571.4330 or [saleseng@chassisplans.com](mailto:saleseng@chassisplans.com)  
[www.chassis-plans.com](http://www.chassis-plans.com)

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## Chassis Specifications

### DIMENSIONS

14.25" X 15.5" X 11.25" (362.0mm X 393.7mm X 285.8mm)  
Deployed: 14.25" X 43" X 11.25" (362.0mm X 1092.2mm X 285.8mm)

### WEIGHT

65 pounds, weight varies by configuration

### ENCLOSURE FEATURES

#### Construction

Heavy duty, cold-rolled electroplated steel  
Rubber corner bumpers

#### Drive Capacity

3(x) 3.5" external, removeable drive bays  
1(x) slim slot-fed optical drive

#### Indicators

Power on, disk access

#### Switches

Power, system reset

### FRONT USB PORTS

(2x) ports USB 2.0

### SYSTEM COOLING

(2x) 120mm cooling fans

### MOTHER BOARD CAPACITY

Designed for ATX-sized motherboard (9.6" X 12")

### POWER SUPPLY

Single or redundant 1000W 100/240 Volt AC  
Other power options available

### MONITOR

Anti-glare hard coat standard  
Optional touch screen, hi bright, AR cover glass

### KEYBOARD

Compact and detachable  
Touch pad with two mount buttons

## Panel Details

P317

### SCREEN DIAGONAL

17"

### CONTRAST RATIO (typical)

500:1

### VIEWING ANGLE

80° (L/R/U/D)

### RESPONSE TIME (typical)

5ms

### NATIVE RESOLUTION

1024 x 1024

### BRIGHTNESS

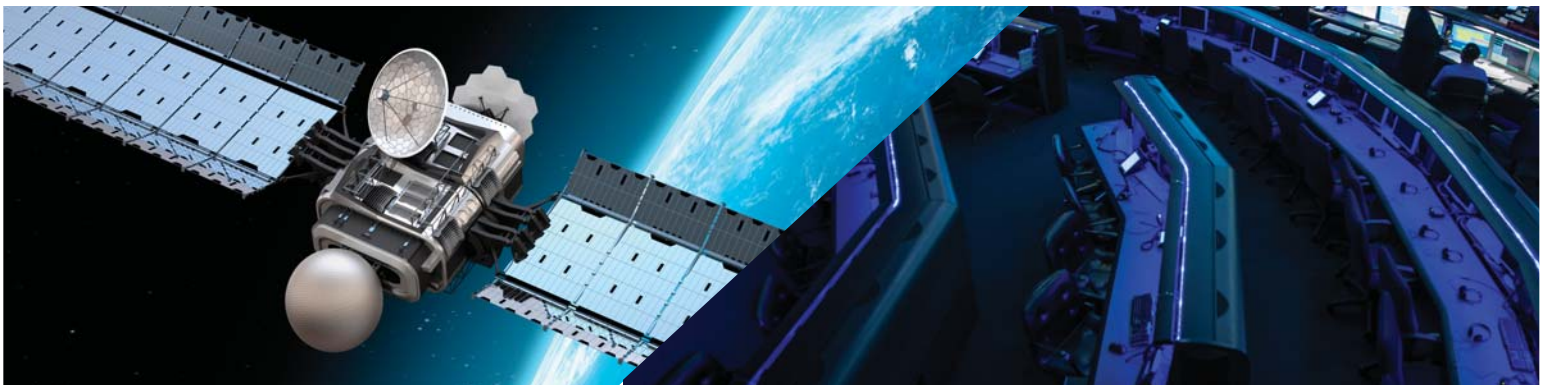
300 cd/m<sup>2</sup>

### BACKLIGHT

TFT

### COLORS

16.7M



## Computer Specifications

	P31701	P31707	P31708	P31713
<b>CPU</b>	Single Intel® Core i7®-860, 2.80GHz OR Single Intel® Core i5®-660, 3.33GHz	Single Intel® Core™ i7-3770 (8M Cache, up to 3.9GHz), Intel® Core™ i5-3550S (6M Cache, up to 3.7GHz), Single Intel® Core™ i7-2600 Processor (8M Cache, 3.4GHz) OR Single Intel® Core™ i5-2400 Processor (6M Cache, 3.1GHz)	Single Intel® Xeon® Processor E3-1275 (8M Cache, 3.4GHz) OR Single Intel® Xeon® Processor E3-1225 (6M Cache, 3.1GHz)	Single Intel® Core i7-4770S 3.9GHz OR Single Intel® Core i5-4570S 3.6GHz
<b>CHIP SET</b>	Intel® Q57 Platform Controller Hub (PCH)	Intel® Q67 Platform Controller Hub (PCH)	Intel® C216 Platform Controller Hub (PCH)	Intel® Q87 Express
<b>MAX RAM</b>	(4x) 240-pin DDR3 Max. 16GB	(4x) 240-pin DDR3 Max. 32GB	(4x) 240-pin DDR3 Max. 32GB	(4x) 240-pin DDR3 Max. 32GB
<b>HARD DRIVES</b>	Up to (3x) SATA2, 500GB, 7200 RPM, 64GB cache standard.	Up to (3x) SATA2, 500GB, 7200 RPM, 64GB cache standard. I	Up to (3x) SATA2, 500GB, 7200 RPM, 64GB cache standard.	Up to (3x) SATA2, 500GB, 7200 RPM, 64GB cache standard.
<b>RAID OPTION</b>	JBOD, RAID 0, 1	JBOD, RAID 0, 1	JBOD, RAID 0, 1	JBOD, RAID 0, 1
<b>OPTICAL DRIVE</b>	24x DVDRW	24x DVDRW	24x DVDRW	24x DVDRW
<b>EXPANSION SLOTS</b>	(1x) PCIe x16 (GEN 2.0), (1x) PCIe x4 (GEN 1.0), (2x) PCIe x1 (GEN 1.0) & (3x) PCI (PCI 2.3)	(1x) PCIe x16 (GEN 3.0), (1x) PCIe x4 (GEN 2.0), (1x) PCIe x1 (GEN 2.0) & (4x) PCI (PCI 2.3)	(2x) PCIe x16 (GEN 3.0), (2x) PCIe x4 (GEN 2.0), (1x) Mini PCIe (GEN 2.0) & (3x) PCI (PCI 2.3)	(1x) PCIe x16 (GEN 3.0), (1x) PCIe x4 (GEN 2.0) (1x) x1 (GEN 2.0) (3x) PCI (PCI 2.3)
<b>REAR I/O</b>	(2x) PS/2 ports, (2x) DB-9 RS232 serial ports, (1x) DVI-I port (DVI-D signal only), (1x) DB-15 VGA port, (2x) RJ45 LAN ports, (4x) USB 2.0/1.1 ports, (1x) Mic-in, (1x) line-in and (1x) line out	(1x) mini-DIN-6 port for PS/2 mouse/keyboard, (2x) DB-9 RS232 serial ports, (1x) DVI-I port (DVI-D signal only), (1x) DB-15 VGA port, (2x) RJ45 LAN ports, (6x) USB 2.0/1.1 ports, (1x) Mic-in, (1x) line-in and (1x) line out	(1x) mini-DIN-6 port for PS/2 mouse/keyboard, (1x) DB-9 RS232 serial port, (2x) DVI-I ports (DVI-D signal only) & (1x) HDMI port, (2x) RJ45 LAN ports, (4x) USB 3.0 ports, (2x) USB 2.0 ports, (1x) Mic-in, (1x) line-in and (1x) line out	(1x) PS/2 ports, (2x) DB-9 RS232 serial ports, (1x) DVI-I port (DVI-D signal only), (1x) HDMI Port, (2x) RJ45 LAN ports, (4x) USB 3.0 ports, (2x) USB 2.0 ports, (1x) Mic-in, (1x) line-in and (1x) line out
<b>GRAPHICS ADAPTER</b>	Video card dependent on customer application requirements	Video card dependent on customer application requirements	Video card dependent on customer application requirements	Video card dependent on customer application requirements
<b>AUDIO</b>	Realtek® ALC262 Stereo ADCs and S/PDIF Interface	Realtek® ALC886 5.1-channel High Definition Audio	Realtek® ALC886 5.1-channel High Definition Audio	Realtek® ALC886 5.1 High Definition Audio
<b>LAN</b>	(1x) Realtek® RTL8111DL PCI Express Gigabit Ethernet controller and (1x) Intel® W82578DM with iAMT6.0 Gigabit Ethernet PHY	(1x) Intel® WG82579LM with iAMT7.0 Gigabit Ethernet Phy & (1x) Intel® WG82574L PCI Express Gigabit Ethernet controller	(1x) Intel® WG82579LM with iAMT8.0 Gigabit Ethernet Phy & (1x) Intel® WG82574L PCI Express Gigabit Ethernet controller	Intel I210 PCI Express Gigabit Ethernet controller, Intel I217LM with iAMT9.0 Gigabit Ethernet Phy
<b>O/S</b>	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	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

## P317 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.



Contact us today!  
858.571.4330 or [saleseng@chassisplans.com](mailto:saleseng@chassisplans.com)  
[www.chassis-plans.com](http://www.chassis-plans.com)

### Chassis Plans

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