

COTS Commercial Grade Portable Computer System

P370 Photos



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

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.

P370 Family

Models P37000, P37001

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

Our P370 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 a 17" monitor, excellent processing power 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

- 1(x) 17.3" Full HD 1920x1080 Monitors
- Rugged Aluminum Alloy Construction
- 2x 5.25" and 1x 3.5" Drive Bay
- 1x Slim Optical Drive Bay
- Detachable Keyboard with Touch Pad

CPU Options

- Single Intel® Xeon® E3/E5 Series
- Single Intel® Core i3®/i5®/i7®

Applications

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



Benefits

- Preconfigured for Turnkey Operation
- Long-life Components
- 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



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

Chassis Plans
10840 Thornmint Rd · San Diego, CA 92127

©2016 Chassis Plans LLC. All Rights Reserved. No part of this document may be copied or reproduced without prior consent.

P370-1216

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

COTS Commercial Grade Portable Computer System

MILITARY | INDUSTRIAL | COMMERCIAL



Chassis Specifications

DIMENSIONS

16.2" X 12.99" X 8.89"

WEIGHT

25 pounds, weight varies by configuration

ENCLOSURE FEATURES

Construction

Heavy duty, cold-rolled electroplated steel
Rubber corner bumpers

Drive Capacity

(2)x 5.25" and (1)x 3.5" Drive Bay.
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 650W 100/240 Volt AC
Other power options available

MONITOR

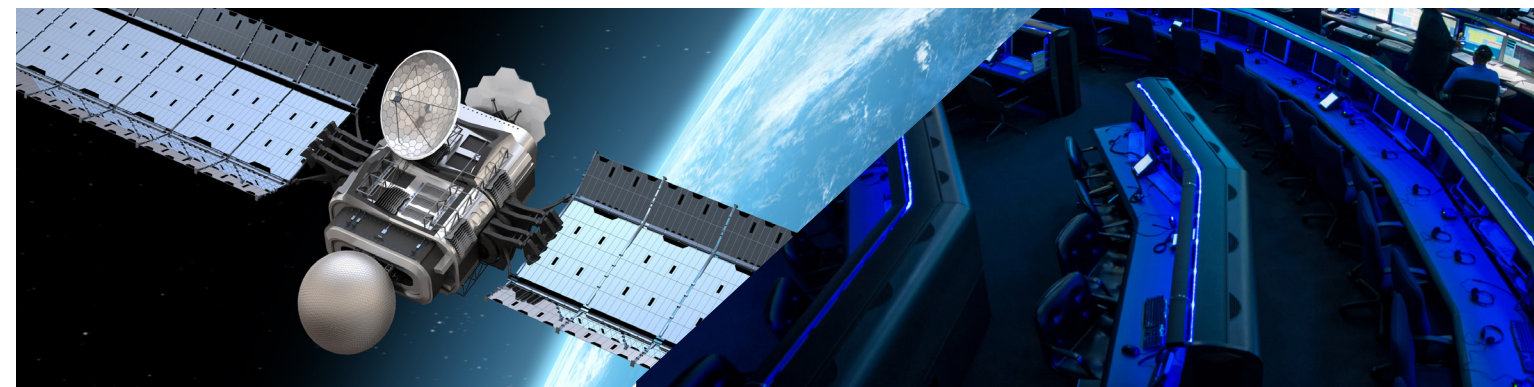
Anti-glare hard coat standard
Optional touch screen, hi bright, AR cover glass

KEYBOARD

Detachable keyboard
Touch pad

Panel Details

	P370
SCREEN DIAGONAL	17.3"
CONTRAST RATIO (typical)	1000:1
VIEWING ANGLE	80° (L/R/U/D)
RESPONSE TIME (typical)	5ms
NATIVE RESOLUTION	1920x1080
BRIGHTNESS	300 cd/m ²
BACKLIGHT	TFT
COLORS	16.7M



Computer Specifications

	P37000	P37001
CPU	Single Intel® Core2 Duo® 3.0GHz OR Single Intel® Core2 Quad® Q9400 2.66GHz	Single Intel® Core i7®-860, 2.80GHz OR Single Intel® Core i5®-660, 3.33GHz
CHIP SET	Intel® Q45 Express	Intel® Q57 Platform Controller Hub (PCH)
MAX RAM	(4x) 240-pin DDR3 Max. 8GB	(4x) 240-pin DDR3 Max. 16GB
HARD DRIVES	Up to (3x) SATA2, 500GB, 7200 RPM, 64GB cache standard. In a removable configuration.	Up to (3x) SATA2, 500GB, 7200 RPM, 64GB cache standard. In a removable configuration.
RAID OPTION	JBOD, RAID 0, 1, 5	JBOD, RAID 0, 1, 5
OPTICAL DRIVE	Slim Slot-Fed 8x DVD RW	Slim Slot-Fed 8x DVD RW
EXPANSION SLOTS	(1x) PCIe x16 (GEN 2.0), (1x) PCIe x4 (GEN 1.0), (5x) PCI (PCI 2.3)	(1x) PCIe x16 (GEN 2.0), (1x) PCIe x4 (GEN 1.0), (5x) PCI (PCI 2.3)
REAR I/O	(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	(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
ON BOARD GRAPHICS	Integrated Intel® GMA 4500, VGA and DVI-I Out (DVI-D only)	Intel® HD Graphics
AUDIO	Realtek® ALC262 Stereo ADCs and S/PDIF Interface	Realtek® ALC262 Stereo ADCs and S/PDIF Interface
LAN	(2x) Realtek® RTL8111C PCI Express Gigabit Ethernet controllers	(1x) Realtek® RTL8111DL PCI Express Gigabit Ethernet controller and (1x) Intel® W82578DM with iAMT6.0 Gigabit Ethernet PHY
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

