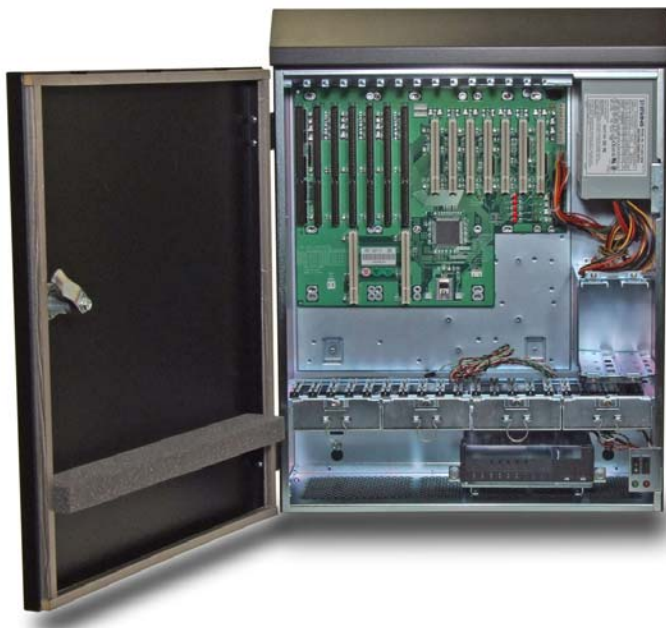
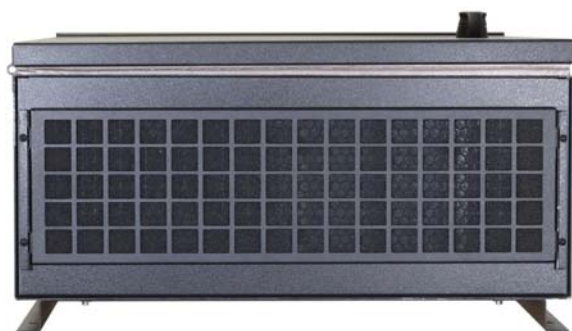


# CHASSIS PLANS

## W5000-VGA8



### Advantages

- Wall mount / bulkhead mount
- Door mounted 8" VGA LCD w/ touch screen
- Two internal 3.5" hard drives
- One internal 5.25" drive tray
- Included slim CD/Floppy adapter bracket
- Four high flow 90 mm hot swap cooling fans
- Passive backplane to 14 slots
- Universal card hold down system
- Locking door and I/O cover

### Support

- Superior pre-sales and post-sales technical support
- All products carry a two year warranty

### Customization

- Integrated Solutions Offered
- Various power options including redundant
- Various front door LCD options
- Custom paint and logo available



The Original Industrial Computer Source®

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## W5000-VGA8

The W5000-VGA8 Series Wallmount chassis represents the next generation in industrial computing enclosures providing high performance in a low cost rugged enclosure. Feature rich, the W5000 Series is a solid, robust design which will meet the most rigorous and demanding requirements. This is a ground-up design optimized for bulkhead and wall mounting. The W5000 Series are not reworked rackmount designs.

The W5000-VGA8 is perfect for a wide variety of applications where an office style enclosure does not provide appropriate protection and a 19" rack is not available. The W5000-VGA8 can be hung exposed on a wall in a factory, in a closet such as a security system, mounted in a Hoffman enclosure on a drilling rig, and so forth. When the door is closed, it does not look like a computer which has high appeal for theft and vandalism mitigation.

The enclosure is constructed of 18 gauge steel, clear zinc plated for corrosion protection and completely painted for an attractive appearance.

The W5000-VGA8 is equipped with an 8" TFT LCD with built-in touch screen. The screen resolution is 640x480 in native mode and it will support scaled resolutions up to 1024x768. Display brightness with the touch screen overlay is 280 cd/m<sup>2</sup> with a contrast of 200:1. The display supports VGA input, two composite and one s-video inputs. Input source can be selected via a front panel push button. Two video inputs allow you to monitor your process via video camera as well as the computer interface.

A lockable door protects the installed components from prying hands. The door is sealed with fabric covered EMI gasket for both EMI and environmental sealing. The high quality locking compression latch sets the EMI gasket when the door is closed. Accessible behind the door is the power and reset switches as well as the power-on and

There is more than ample drive storage with the provided two internal 3-1/2" hard drive locations, and one front accessible 5-1/4" inch drive bay. Included in the 5-1/4" space is a slim floppy / slim CD/DVD adapter bracket.

The top I/O cavity is protected by a removable cover which is locked in place when the door is closed. Conduit knockouts are provided on both sides of the chassis. Thus, attached cables are protected from access by unauthorized persons. With the door closed and locked, the W5000 becomes tamperproof.

The bottom exterior of the chassis provides a large air filter mounted in an easily removed bracket for ease of cleaning. Access to the inside is not required for filter removal. Cooling is provided by 4 hotswap 90mm 49CFM fans. Several fan options are available for higher flow or quieter operation including adaptive temperature controlled fans.

The W5000 Chassis provides for mounting a passive backplane, up to 14 slots. An innovative card hold-down mechanism assures cards stay seated in high vibration environments such as shipping and when mounted on operating machinery.

Power supply options include standard PS/2 form factor, redundant hot swap and 12/24/48VDC input supplies. The system provides outstanding cooling so virtually any power requirement such as dual XEON can be accommodated in any environment.

Many options are available for the W5000-VGA8 chassis. The W5000-VGA8 is ideally designed for MOTS (Modified Off The Shelf) requirements. Chassis Plans specializes in custom and semi-custom designs optimized for customer requirements.

## Dimensions

16.95" (wide) x 21.94" (high) x 8.64" (deep)  
Weight 37.4 lbs.

## Drive Capacity

Two internal 3-1/2" hard drive brackets  
One internal 5-1/4" drive tray (6.3" depth limit, other options available).  
The 5-14" drive tray is standard with an adapter for a slip floppy and slim CD/DVD drive

## Front Panel Controls

Power switch - momentary with 2 position .100 header for board connection  
Reset switch - momentary with 2 position .100 header for board connection  
Power LED - green with 3 position .100 header for board connection  
Drive Activity - red with 2 position .100 header for board connection  
Switch and LED connectors are labeled on the connector end  
The controls and LED's are mounted behind the lockable door

## LCD Details

Sharp LQ080V3DG01 Panel Technology  
Screen Size: 8" diagonal  
Aspect Ratio: 4:3  
Dot Resolution: 640 x 480 VGA  
Supported Resolution: 1024 x 768  
Brightness: 280 cd/m2 (with touchscreen)  
Contrast: 200:1  
Viewing Angle: 65/65/45/60 degrees (r/l/u/d)  
On Screen Display Control—OSD: Multi-language  
Video Source: Via front panel push button  
Video Inputs:  
    aRGB: High Density DB15  
    Composite Video: Two RCA  
    S-Video: Mini-Din  
Note: All video inputs available inside Top Wiring Cavity area

## Touch Screen

Type: Resistive Overlay with scratch resistant hard coating  
Output: USB (available inside Top Wiring Cavity area)  
Drivers: Windows XP, 98, NT. Contact factory for Linux driver support.

## **Top I/O Wiring Cavity Details**

7 Plug-in card slots  
Standard ATX I/O shield  
Provision for ATX PS/2 or Redundant power supply  
One 1/2" conduit knockout provided on each side of chassis  
Video inputs and Touch Screen USB connectors  
Cavity vertical height is 2.5" for I/O connectors and cables

## **Cooling**

Four 90mm 49CFM fans  
Fans are mounted in hot swap brackets w/ blind power connectors  
Positive chassis pressure  
30PPI filter installed on bottom exterior of chassis  
Fan Options: thermister regulated fan speed, 3-wire tach signal, higher or lower flow rate

## **Power Supply**

PS/2 Style supply  
AC Input - Zippy HG2, HP2, PSM, PSL, AX2, SP2, LP2, MP2, SPE  
Redundant AC Input - Zippy MRT, MRP, MRW, MRG,  
DC Input - Zippy DB2 (24VDC), DD2 (48VDC), MB2 (24VDC), MD2 (48VDC)  
Power supply not included

## **Passive Backplane**

Up to 14-slot ISA/PCI backplane accommodated  
Standard adapter plate accommodates most backplanes  
Custom adapter plates are available for other backplanes

