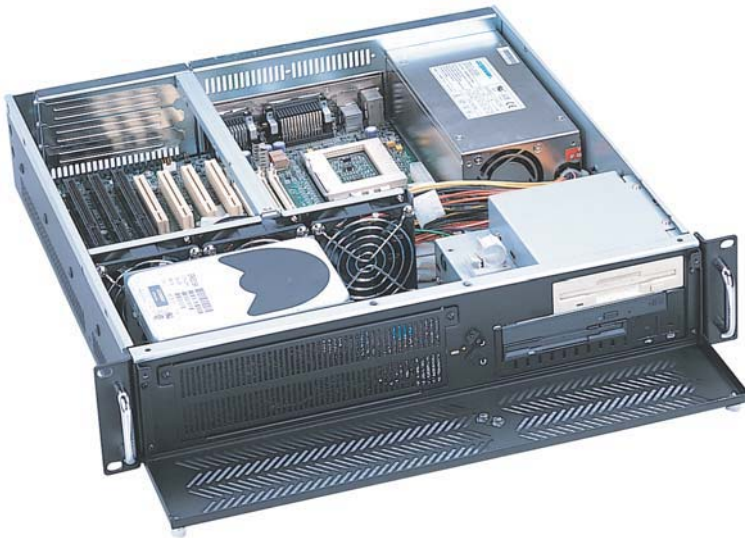


CHASSIS PLANS

E1 CHASSIS



Advantages

- Compact 2U x 17.7-inch (450mm) design
- Front door provides drive security
- 300W- 460W 2U power supply
- Five drive bays with one 5.25-inch and one 3.5-inch external drive bays with three 3.5-inch internal drive bays
- Removable rack ears for benchtop applications
- Three 42.5CFM fans are mounted internally to protect internal components and feature cards

Support

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

Customization

- Custom paint and logo services available

E 1 CHASSIS

The E1 Series chassis is a high performance design in a low cost 2U rackmount enclosure. Feature rich, the E1 Series is a solid, robust design which will meet the most rigorous and demanding requirements. This chassis is ideal for high density I/O intensive applications.

The enclosure is constructed of 18 gauge steel, clear zinc plated for corrosion protection and an attractive appearance. The front panel is attractively detailed and is of heavier gauge than the chassis.

There is a huge amount of drive storage. The E1 provides for two 3.5 inch hard drives mounted internally. In addition, an externally accessible 5.25 inch and 3.5 inch drive may be installed. The drive cage and filler provide for several configurations.

The chassis is cooled by three high velocity 80mm 42.5CFM ball bearing fans which draw through a front accessible filter and provide positive air pressure to the chassis.

A door covers and protects the drives. Accessible behind the door is the power and reset switches as well as the power-on and drive activity LED's. The LED's are visible through the door when it is closed. A USB connector is provided at the front panel.

The E1 Chassis provides for mounting a standard ATX motherboard up to 9.6 x 12-inches. Three plug-in cards up to 10.2 inches long can be installed using the included riser card. Additionally, several riser card options are available.

SPECIFICATION

Dimensions

19" (wide) x 2U (3.5") (high) x 17.7" (deep)

Drive Capacity

One 5-1/4 inch drive - front accessible

One 3-1/2 inch drive - front accessible

Three 3-1/2 inch drives -internal

Front Panel Controls

Power switch - Black momentary pushbutton with 2 position .100 header for board connection

Reset switch - Black momentary pushbutton 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

Dual USB ports

Switch and LED connectors are labeled at the connector end

Rear Panel Details

3 Plug-in card slots

ATX I/O Shield

Cooling

Three 80mm 42CFM fans with tach signal

Positive chassis pressure

Power Supply

Rear Mount 2U style, not included

AC Supply - Zippy P2U or P2G form factor

DC Supply - Zippy D2U form factor, 48VDC

Motherboard Mounting

Standard 9.6 x 12-inch ATX motherboard

Motherboard adapter plate accommodates any motherboard

Plug-In Cards

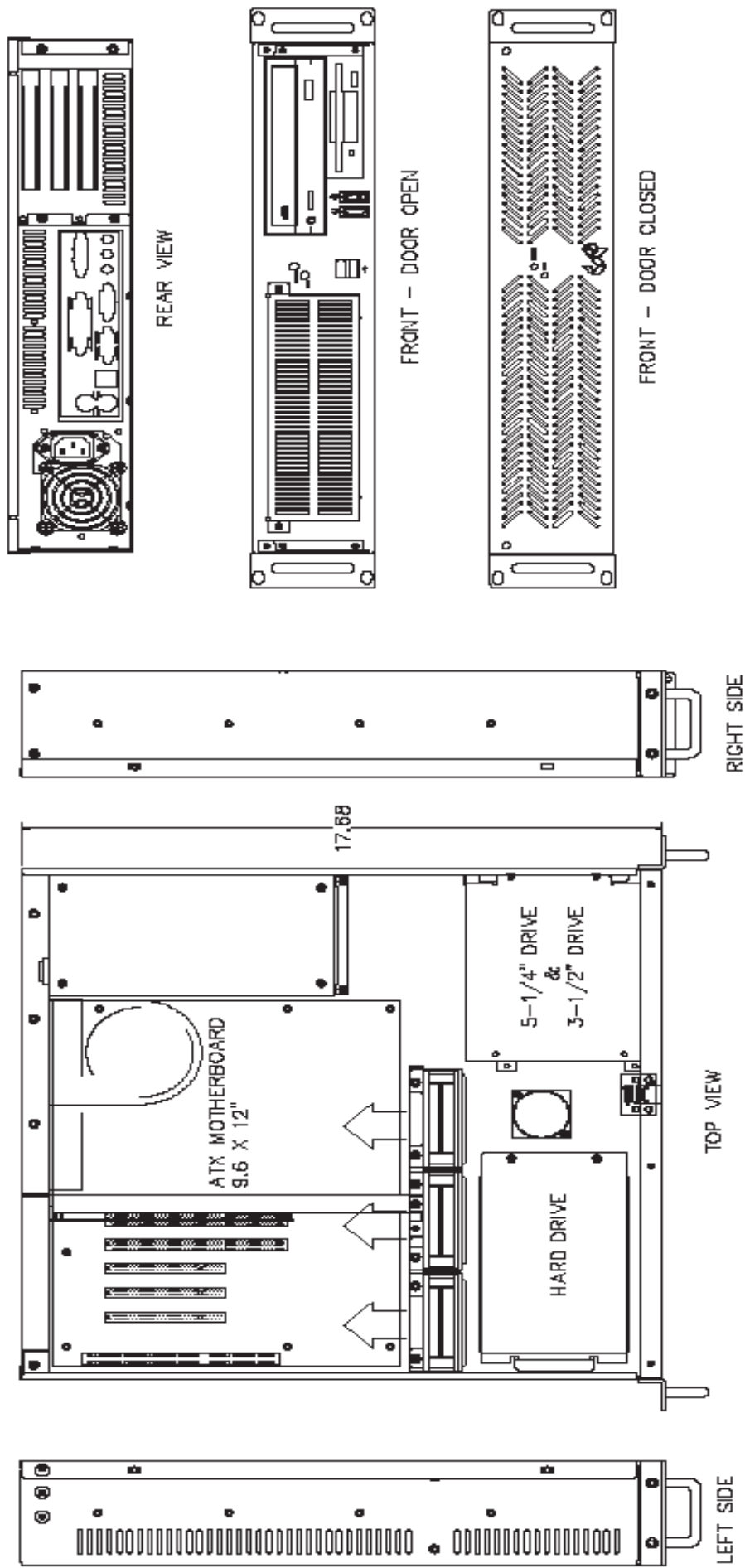
Accommodates three plug-in cards

Cards limited to 10.2 inches long

Includes 3-slot 32-bit standard 5V PCI riser card



The Original Industrial Computer Source TM



 <p>CHASSIS PLANS CNC MACHINING AND SERVICES 10000 WILSON AVENUE SAN DIEGO, CA 92123 TEL: (858) 571-4330 FAX: (858) 571-6146 WWW.CHASSISPLANS.COM</p>		<p>ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE DECIMALS ± .005 UNLESS OTHERWISE SPECIFIED FINISH: ALL SURFACES TO BE POLISHED MATERIAL: ALUMINUM 6061 T6 DATE: 08/11/10</p>	
TITLE	E1 SERIES CHASSIS 2U ATX MOTHERBOARD CUSTOMER DRAWING	DATE	08/11/10
DESIGNED BY	E1 CUSTOMER DRAWING	CHECKED BY	
DRAWN BY		DATE	
<p>REVISIONS</p>		<p>REVISION 1 OF 1</p>	