

# CHASSIS PLANS

## A2CHASSIS



### Advantages

- Compact 6U x 26.4-inch (671 mm) design
- Locking front door provides drive security
- 300W- 460W ATX or dual redundant power supply
- Seven 5-1/2 inch external drive bays
- Hold-down bar to secure installed feature cards
- Removable rack ears for benchtop applications
- Four 51CFM hot-swap internal fans with thermal management card installed along with removable air filter

### Support

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

### Customization

- Custom paint and logo services available



## A2CHASSIS

The A2 Series chassis is a high performance design in a low cost 6U rackmount enclosure. Feature rich, the A2 Series is a solid, robust design which will meet the most rigorous and demanding requirements. This chassis is ideal for I/O intensive applications such as telephony, data acquisition, Digital Video Recording (DVR), high density web server, back office server, firewall, proxy server and VPN gateway applications including collocation.

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 space with the seven front accessible 5-1/4" drive bays. This allows for a low cost RAID implementation using IDE, SATA or SCSI drives. One external 3.5 inch drive is also available.

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.

Cooling is provided by four 90mm 51CFM hot swap fans. The thermal management board monitors fan operation.

The A2 Chassis provides for mounting a standard Extended ATX (EATX) motherboard up to 12 x 13-inches. Depending on the CPU selection, up to 7 plug-in cards can be installed. This chassis is perfect for mounting a server class dual processor motherboard.

Power is provided by rear mounted PS/2 style power supply. Several power supply options are available including redundant power.

# SPECIFICATIONS

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## Dimensions

19" (wide) x 6U (10.5") (high) x 26.4" (deep)

## Drive Capacity

Seven 5-1/4 inch drives - front accessible

One 3-1/2 inch drive - front accessible

## Front Panel Controls

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

Reset switch - Four pushbuttons 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 at the connector end.

\* Note: Four reset switches are provided for use with up to a 4 section segmented backplane.

## Rear Panel Details

7 Plug-in card slot

2 DB9, 1 DB15, 1 DB 25 and 1 SCSI connector knock outs.

Four keyboard connector holes.

## Cooling

Four 90mm 51CFM fans

Positive chassis pressure

Full-width air filter located behind drive door.

## Thermal Management Board

Monitors the following chassis parameters

Audible alarm sounded on system failure

Rear panel mounted terminal block for NO/NC contact closure for external alarm

Fan Operation

Chassis over-temperature settable for 40, 50, 60 deg C alarm point

Two remote chassis temperature probes

Power supply operation

Front panel indication of system alarm status

## Power Supply

Rear Mount redundant style, not included

AC Input - Zippy RAH and RHH form factor

Optional 12, 24, 48VDC supplies available

## Motherboard mounting

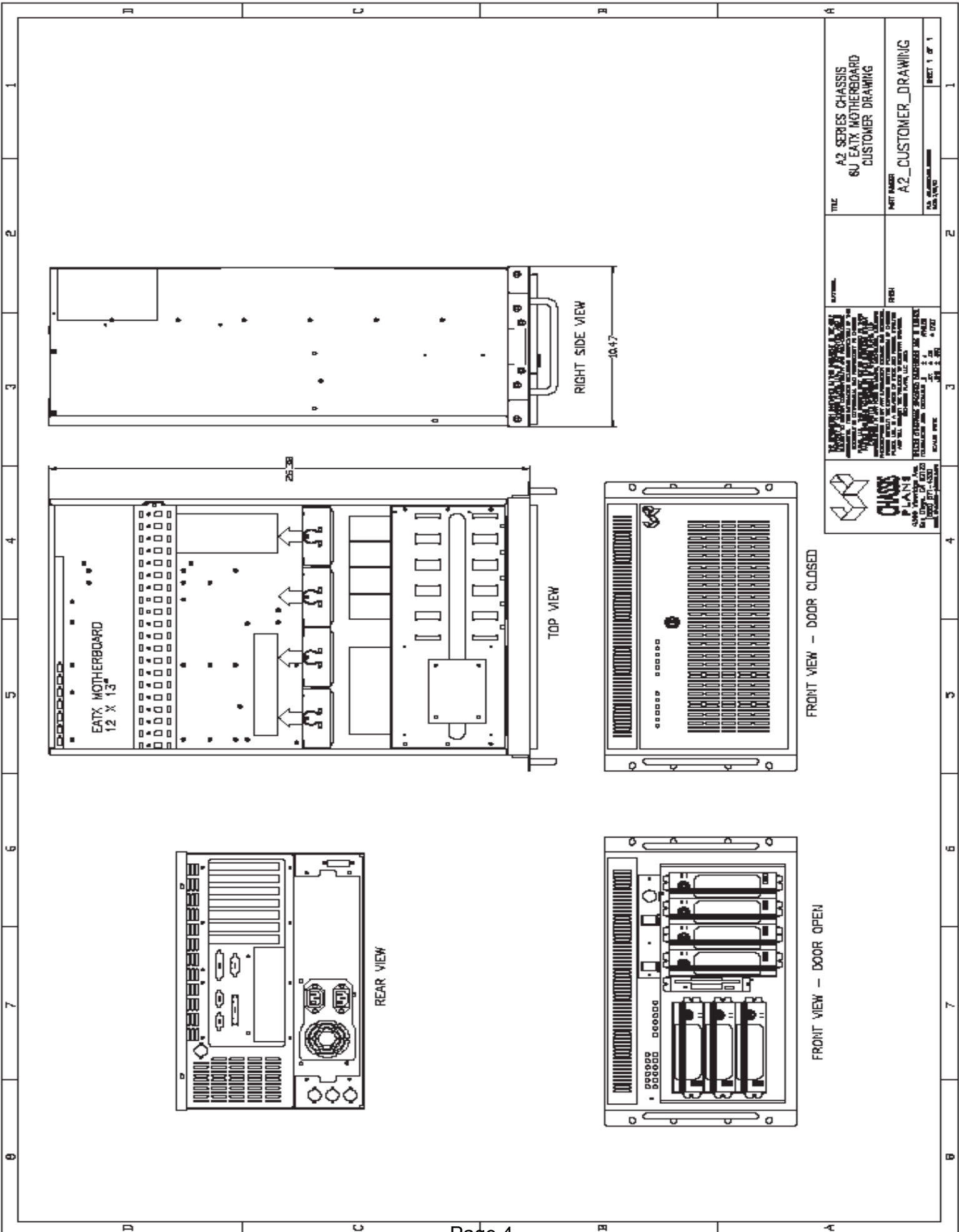
EATX or ATX motherboard up to 12 x 13 inches

## Plug-in I/O Cards

Depending on configuration, accommodates up to 7 plug-in I/O cards



The Original Industrial Computer Source <sup>TM</sup>



<p><b>CHASSIS PLANS</b>          4440 Thompson Ave.          #1000          San Diego, CA 92110          (619) 444-1434</p>		<p><b>REVISIONS</b></p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>08/20/10</td> <td>ISSUED FOR CONSTRUCTION</td> </tr> <tr> <td>2</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>3</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>4</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>5</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>6</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>7</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>8</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>9</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>10</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>11</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>12</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>13</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>14</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>15</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>16</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>17</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>18</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>19</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>20</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>21</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>22</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>23</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>24</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>25</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>26</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>27</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>28</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>29</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>30</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>31</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>32</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>33</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>34</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>35</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>36</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>37</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>38</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>39</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>40</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>41</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>42</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>43</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>44</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>45</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>46</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>47</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>48</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>49</td> <td>08/20/10</td> <td>REVISED</td> </tr> <tr> <td>50</td> <td>08/20/10</td> <td>REVISED</td> </tr> </table>		NO.	DATE	DESCRIPTION	1	08/20/10	ISSUED FOR CONSTRUCTION	2	08/20/10	REVISED	3	08/20/10	REVISED	4	08/20/10	REVISED	5	08/20/10	REVISED	6	08/20/10	REVISED	7	08/20/10	REVISED	8	08/20/10	REVISED	9	08/20/10	REVISED	10	08/20/10	REVISED	11	08/20/10	REVISED	12	08/20/10	REVISED	13	08/20/10	REVISED	14	08/20/10	REVISED	15	08/20/10	REVISED	16	08/20/10	REVISED	17	08/20/10	REVISED	18	08/20/10	REVISED	19	08/20/10	REVISED	20	08/20/10	REVISED	21	08/20/10	REVISED	22	08/20/10	REVISED	23	08/20/10	REVISED	24	08/20/10	REVISED	25	08/20/10	REVISED	26	08/20/10	REVISED	27	08/20/10	REVISED	28	08/20/10	REVISED	29	08/20/10	REVISED	30	08/20/10	REVISED	31	08/20/10	REVISED	32	08/20/10	REVISED	33	08/20/10	REVISED	34	08/20/10	REVISED	35	08/20/10	REVISED	36	08/20/10	REVISED	37	08/20/10	REVISED	38	08/20/10	REVISED	39	08/20/10	REVISED	40	08/20/10	REVISED	41	08/20/10	REVISED	42	08/20/10	REVISED	43	08/20/10	REVISED	44	08/20/10	REVISED	45	08/20/10	REVISED	46	08/20/10	REVISED	47	08/20/10	REVISED	48	08/20/10	REVISED	49	08/20/10	REVISED	50	08/20/10	REVISED	<p><b>TITLE</b>          A2 SERIES CHASSIS          6U EATX MOTHERBOARD          CUSTOMER DRAWING</p>		<p><b>PART NUMBER</b>          A2_CUSTOMER_DRAWING</p>		<p><b>NO. OF SHEETS</b>          1</p>	
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