



**TRI-MAG, Inc.**  
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® *your* POWER Specialists

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## **420ATX** **NEW PRODUCT**

### **Industrial Computer Chassis with Sunlight Readable LCD Display for ATX Motherboards**

#### **FEATURES**

##### **GENERAL**

- Made in USA
- Reasonably Priced

##### **DISPLAY**

- Sunlight Readable,  
10X Brighter Than CRT
- 10.4" Diag VGA Color TFT LCD,  
640 x 480 pixels, 256K Colors
- ISA Interface Board Included

##### **BOARDS**

- Accepts ATX, MiniATX  
& Micro ATX Motherboards
- Fits Standard ATX I/O Shields
- Accepts Tall (AT High) Boards

##### **DRIVES**

- 5 Drive Bay
- Front Drive Brackets  
Accept Two 5¼ & One 3½
- Buried Shockmount  
Bracket Holds One 3½ HD

##### **COOLING**

- Excellent Cooling
- THREE Fans Standard
- Positive Air Pressure  
Inside Chassis
- Intake Air Filter

##### **POWER SUPPLY**

- 250W Switching Supply,  
UL, TUV, CE
- 115/230 Operation

##### **MECHANICAL**

- RUGGED, Heavy Gage,  
Aluminum Construction
- Modular Design
- Meets EIA RS-310C
- Less Than 17.5" Deep
- ISA/PCI Card Hold Down Bar

#### **OPTIONS / ACCESSORIES**

- 300W Switching Supply
- 250W (400W) Hot Swap
- 48VDC/24VDC Input Supply
- Black or Off White Paint
- Slides for Rackmount
- Custom Modification



420ATX is a high quality, modular PC chassis for ATX form factor motherboards and up to 5 drives. A sunlight readable VGA color LCD display is integrated into the chassis.

This rugged, well-cooled enclosure is appropriate for server, telecom, factory automation and other industrial applications. The chassis is EIA-310 compatible.

The built in LCD display has a 8.3"W x 6.2"H (10.4" diagonal) viewing area. The high intensity backlight delivers a luminance of 300 ft-L (1020 NITS) providing the operator an easy to read display even in full sunlight. By comparison typical CRT's deliver 40 ft-L and typical notebook LCD's are 15 ft-L. Backlight brightness is fully adjustable on the front panel to less than 1 ft-L. Resolution of the TFT Active Matrix LCD is 640 x 480 pixels and 256K colors. An ISA bus display interface board is included.

Simple, sturdy mounting is provided for drivers and motherboards. Both drive and board mounting brackets are removable from the chassis for easy system assembly.

The front drive brackets accept one 3½ and two 5¼ accessible devices. An internal bracket holds two 3½ devices.

Two fans, working in push-pull, move large quantities of air through the chassis to provide cooling. A third fan delivers high velocity air to cool the expansion cards. Incoming air is filtered by a large, accessible, washable filter element. Positive pressure is maintained in the chassis to reduce dust incursion.

An adjustable card hold down clamp keeps ISA and PCI daughter boards firmly in position.

Four high quality, agency recognized, field replaceable power supplies are available. The standard supply is rated 250W. Optional line operated supplies are 300W and a 250W (400W) Hot Swap. A 48VDC and 24VDC input supply is also available.