



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

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## 590RX

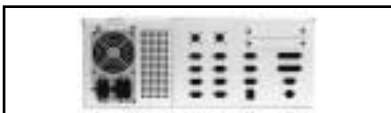
### Rackmount Industrial Computer Chassis, Extended Depth for Cable Breakout

#### FEATURES

- Made in USA
- Modular Design
- Meets EIA RS-310C
- RUGGED, Heavy Gage, Aluminum Construction
- Excellent Cooling
- TWO Fans Standard
- Intake Air Filter
- Positive Air Pressure Inside Chassis
- "Back Porch" Behind I/O Cards for Cable Breakout to Rear Panel Connectors
- Accepts ATX, AT and Baby AT Motherboards
- Accepts ISA or PCI Passive Backplanes
- Accepts Tall (AT High) Boards
- Standard, Removable Front Drive Bracket Accepts up to 3 Half Hi 5 $\frac{1}{4}$
- Removable Buried Shockmount Bracket Holds up to Two 3 $\frac{1}{2}$  HD
- 200W Switching Supply, UL, TUV, CE, Field Replaceable
- 115/230 Operation
- Reasonably Priced

#### OPTIONS/ACCESSORIES

- 115/230VAC Input 300W, 400W, ATX or Hot Swap Supply
- 24VDC Input, 250W Supply
- 48VDC Input, 250W Supply
- Black or Off White Paint
- Locking Drive Door and 2 Stage Air Filter
- Rack Slides
- Drive Bay Cover Plates
- Semi Custom Modification By Using Wide Range of Stock Modular Panels
- Custom Modifications



#### DESCRIPTION

590RX is a high quality, rackmount, modular PC chassis for ATX, AT/Baby AT motherboards or Passive Backplanes.

Cards often have more functions than can be accommodated on their rear brackets and may have headers that need to be connected to a panel connector. Occasionally, the card-mounted connector may not be the correct type for the application. 590RX fills the chassis requirement for systems with large numbers of cable connections to the outside, more than can be mounted on I/O card brackets.

The 590RX card cage is located in the center of the chassis, leaving a "back porch" between the rear of I/O cards and the chassis rear panel. A large area on the rear is reserved for a custom connector panel, which is designed to mount the desired I/O connectors. Wiring between cards and this custom rear panel allows significant flexibility in system I/O design.

Two fans, working in push-pull, move large quantities of air through the chassis to provide cooling. Incoming air is filtered by a large, easily accessible, washable filter element. Positive pressure is

maintained in the chassis to reduce dust incursion.

590RX incorporates high quality, agency recognized, field replaceable power supplies. The standard supply is rated 200W. 300W, 400W, ATX, Hot Swap AC input supplies or 24 and 48 VDC input supplies are options

#### CUSTOMIZING

590RX Rear Connector Panels are usually customized for a particular system. Contact us for more information.

The modular 590RX design allows fast, easy, low cost modification to customer requirements by using our library of Modular Panels. See Inside Back Cover for a Customizing Guide.

If requirements dictate modifications other than those available as library items, we can usually provide low cost solutions. We invite you to contact us.





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## SPECIFICATIONS

Same as 590, Page 10, Except as Below:

### SIZE

4U x 19 Panel x 23.5D

### Weight

31 Pounds,  
 38 UPS Shipping

## POWER SUPPLY TABLE

PS Model	Type	Input Voltage	DC OUTPUT RATINGS							PS Approval			
			Watts	+5V	+3.3V	+12V	-5V	-12V	+5VSB				
-5	PC Std	117/230 VAC	200	22A	ZERO	8A	0.5A	0.5A	ZERO	UL, CSA TUV			
-6			300	30A		12A							
-10			400	36A		10A							
-8		-48VDC	250	25A	14A	0.5A	0.5A	0.75A					
-9	+24VDC										Pending		
-2A	ATX	117/230 VAC	300	30A	14A	12A	0.5A	1A	0.75A	UL, CSA TUV, CE			
-3A			250	25A							10A	0.5A	0.75A
-8A			-48VDC	250									
-5R	PC Hot Swap	117/230 VAC	200 (400)	20A	ZERO				ZERO	Pending			
-5AR	PC Hot Swap		250 (400)	30A	20A	14A			1A				

## ORDERING GUIDE & PRICES

### M590RX - [ ] - [ ] - [ ] - [ ] - [ ]

<b>Power Supply</b>	<b>Rear Card Cage</b>	<b>Front Card Cage</b>	<b>Installed Backplane</b>	<b>Cabinet Color</b>
5 = 200W 6 = 300W 10 = 400W 8 = 250W, 48VDC Input 9 = 250W, 24VDC Input	2A = 250W ATX * 3A = 300W ATX * 8A = 250W ATX, 48VDC Input * 5R = 200W PC Hot Swap 5AR = 250W ATX Hot Swap *	A = 8 Slot A14 = 14 Slot ATX = ATX *	A8 = 8 Slot * A12 = 12 Slot 0 = None * 14 = 14 Slot ISA Consult Factory for Other Backplane Types	B = Black W = Off White

**\*CAUTION- Chassis set up for ATX boards must use only asterisked options**

MODEL	PRICE	MODEL	PRICE
M590RX-5-A-A8-0-B	\$350	M590RX-2A-ATX-A8-0-B *	\$375
M590RX-6-A-A8-0-B	\$400	M590RX-3A-ATX-A8-0-B *	\$400
M590RX-10-A-A8-0-B	\$470	M590RX-8A-ATX-A8-0-B *	Consult Factory
M590RX-8-A-A8-0-B	\$470	M590RX-5R-A-A8-0-B	\$570
M590RX-9-A-A8-0-B	\$470	M590RX-5AR-ATX-A8-0-B *	\$600

(All Rear Card Cage Types, Front Card Cage Types, Black or Off White same price)

### ADDER FOR INSTALLED PASSIVE BACKPLANE

TYPE	PRICE
14 = 14 Slot ISA	\$110

Consult Factory for Other Backplane Types

