



TRI-MAG, Inc.
 your POWER Specialists

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743

Industrial Rackmount Disk Drive Chassis, 8 Buried Bays for 3½ Drives

FEATURES

- Made in USA
- Modular Design
- Meets EIA RS-310C
- RUGGED, Heavy Gage, Aluminum Construction
- Up to Eight 3½ Shockmounted Drives, Buried
- Remote Drive Activity LED's
- Excellent Air Flow and Cooling
- THREE Fans Standard
- Intake Air Filter
- Positive Air Pressure Inside Chassis
- 300W Switching Supply, UL, TUV, CE, Field Replaceable
- 115/230 Operation
- Reasonably Priced



DESCRIPTION

743 is a high quality, EIA RS-310 compatible, rackmount chassis for mounting up to eight 3½ high performance hard drives. It provides a rugged, well-cooled enclosure for server, telecom, factory automation and other industrial applications.

743 has four buried, shockmounted bays. Each bay will accept two 3½ hard drives.

Drive mounting is simple and sturdy. Drive brackets remove from the chassis for easy system assembly.

Drives are mounted in a "tunnel" with a fan at each end. A 4½ " fan draws air into the chassis through a large capacity filter and into the mouth of the tunnel. A second 4½ " fan, with a smaller CFM rating, pulls air through the tunnel, over the drives and out the back. A third fan exhausts heat generated by the power supply. Positive air pressure is maintained in the chassis to reduce dust incursion

743 is powered by a hefty, high quality, 300W switching power supply. The supply is agency recognized and field replaceable.

Interface PC Board that also stabilizes the power supply, so no minimum load is required. LED's on the PC board provide visual verification that +5 and +12 are up.

An optional second 300W supply is available to increase the +12V capability to 30A.

CUSTOMIZING

See inside Back Cover for a Customizing Guide.

2810 Series Connector Panels for the 743 are shown on Page 27.

Slides, Extenders, Relay Rack and Wall Mount Brackets for the 743 are shown on Page 24.

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

OPTIONS/ACCESSORIES

- Second 300W Power Supply
- Black or Off White Paint
- Rackmount Slides
- Drive Bay Cover Plates
- 3½ to 5¼ Drive Adapters
- Internal Data Cables for Narrow or Wide SCSI
- Custom Modifications



743

SPECIFICATIONS

Input Voltage

90-132 or 180-264VAC,
 47-63Hz, 1Φ, Switch Selected

DC Outputs

See Power Supply Table

DC Output Connectors

8ea, 4 pin AMP Mate-N-Lok

Temperature

10 to 40C Internal Operating
 -20 to 75C Storage

Humidity

20 to 85% RH, Operating,
 Non- Condensing

PS MTBF (MIL-HDBK-217E)

100,000 Hr.

Size

Rackmount:

4U (7")H x 19" Panel x 17.5" D

Weight

23 Pounds, 30 UPS Shipping

Finish

External Surfaces Painted

Rack panel textured, other surfaces

smooth

POWER SUPPLY TABLE

Chassis Type	Number of Power Supplies	Input Voltage Peak	DC OUTPUT RATINGS				PS Approvals
			Each Supply		Total		
			+5V	+12V	+5V	+12V	
-1	1	115/230 Vac	20A	15A	20A	15A	UL, CSA, TUV
-2	2				20A	30A	

ORDERING GUIDE

743R - [] - [] - [] - []

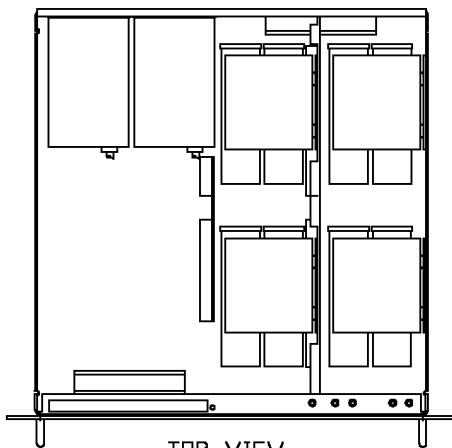
Chassis Type
 1= ONE Pwr Supply
 2= TWO Pwr Supplies

Internal SCSI Cable #1

Internal SCSI Cable #2

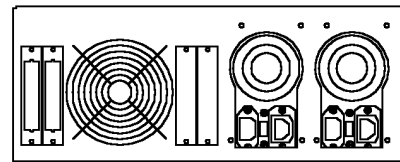
Cabinet Color
 B = Black
 W = Off White

0 = No Internal Cable
 4 = 4 Drop, SCSI-1 (Centronics 50)
 8 = 8 Drop, SCSI-1 (Centronics 50)
 24 = 4 Drop, Narrow SCSI (HD50)
 28 = 8 Drop, Narrow SCSI (HD50)
 34 = 4 Drop, Ultra Wide SCSI (HD68)
 38 = 8 Drop, Ultra Wide SCSI (HD68)

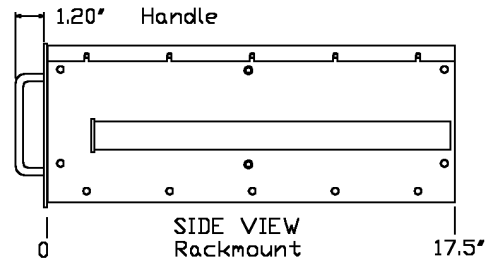


TOP VIEW
 (Shown with optional 2nd PS)

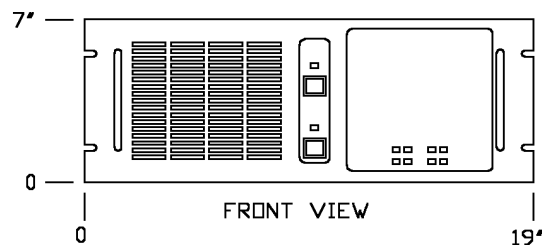
Drives not Included



REAR VIEW
 (Shown with optional 2nd PS)



SIDE VIEW
 Rackmount



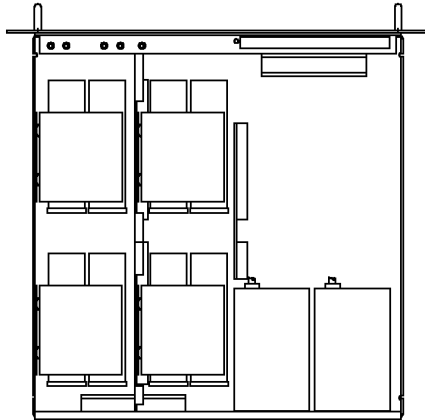
FRONT VIEW



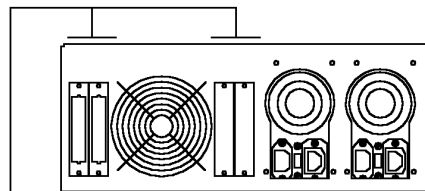
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743 Series – Modular Panels



TOP VIEW



REAR VIEW

2800 Series Removeable
 Connector Punchout
 Panels

MiniDIN & DSub25 2810-152	50 pin (1"x1" grid) 2810-122	Dsub50 2810-136
MiniDIN 2810-151	34 Pin (1"x1" grid) 2810-124	Dsub9 & Dsub15 2810-142
SCSI (HD68) (Screw Lock) 2810-150	20 pin (1"x1" grid) 2810-131	Dsub9 & Dsub25 2810-143
SCSI (HD68) (With Latch Blocks) 2810-147	Blank 2810-127	Dsub9 2810-145
Telcon24 (IEEE 488) 2810-133	Dsub 9 2810-138	SCSI 2 (HD50) 2810-141
Telcon36 2810-126	Dsub15 2810-137	DINS (3) (Metal Only) 2810-146
Telcon50 (Screw lock) 2810-123	Dsub25 2810-125	DINS (3) (Includes 3 wired DINS Connectors) 2810-144
Telcon50 (Ball lock) 2810-140	Dsub37 2810-135	

2810 Series Connector Panels