



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

1601 N. CLANCY CT. • VISALIA, CA 93291
 (559) 651-2222 • FAX (559) 651-0188
<http://www.tri-mag.com>
<http://eemonline.com/tri-mag>
tri-mag@worldnet.att.net

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

OPTIONS / ACCESSORIES

- Second 300W Power Supply
- Black or Off White Paint
- Rackmount Slides
- Internal Data Cables for Narrow or Wide SCSI
- Custom Modifications



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. Supply ratings are +5V@20A and +12V@15A. The +5 and +12 are distributed to 8 drive power connectors through a Power

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 26.

Slides, Extenders, Relay Rack and Wall Mount Brackets for the 743 are shown on Page 39.

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

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	DC OUTPUT RATINGS				PS Approvals
			Each Supply		Total		
			+5V	+12V	+5V	+12V	
-1	1	117/	20A	15A	20A	15A	UL, CSA, TUV
-2	2	230VAC			20A	30A	

ORDERING GUIDE & PRICES

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)

BASE MODEL

743R-1-0-0-B

PRICE

\$375

743R-2-0-0-B

\$475

(No Internal Cables)

(Black or Off White same price)

DATA CABLE ADDERS (per cable)

TYPE PRICE

4 = 4 Drop, SCSI-1 \$40

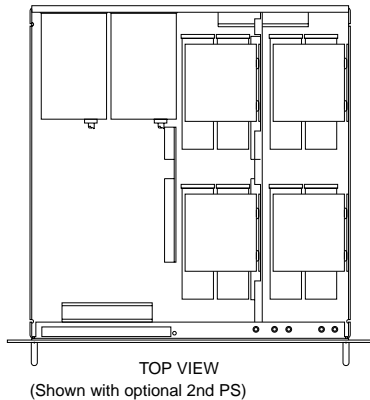
8 = 8 Drop, SCSI-1 \$50

24 = 4 Drop, Narrow SCSI \$75

28 = 8 Drop, Narrow SCSI \$85

34 = 4 Drop, Ultra Wide SCSI \$145

38 = 8 Drop, Ultra Wide SCSI \$165



Drives not included

