

FEATURES AND BENEFITS

- Front Loading
- Up to 600 Watts
- Fixed-mount drive options
- EMI viewing window options
- Fan fail tach alarm board option
- Hot swap/redundant option
- Power and airflow monitoring options
- Designed to meet the requirements of Mil-S-167, Mil-S-461, and Mil-S-810



708/728 SERIES

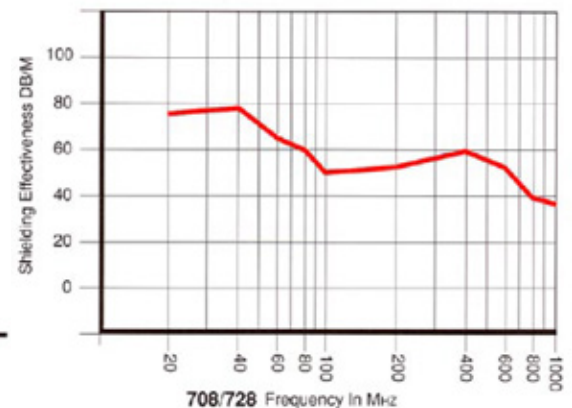
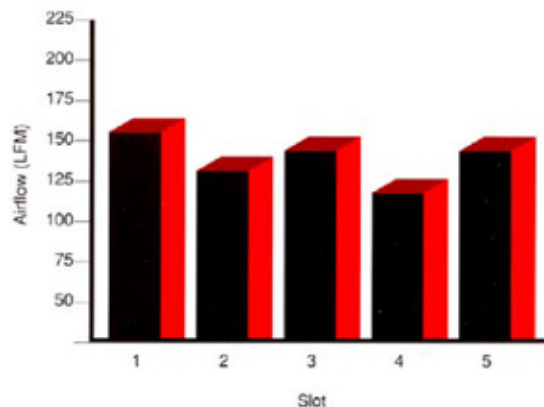
HORIZONTAL RUGGED RACKMOUNT ENCLOSURE



The 708/728 Series Rugged Rackmount Enclosure from Atrenne, a Celestica company, is engineered for dependability in some of the most extreme environments involving airborne, shipboard, and ground

mobile applications. Designed as a rugged solution to meet a broad spectrum of military standards, the 708/728 Series Enclosure has a long-standing reputation as a commercial-off-the-shelf (COTS) product that can be easily configured to meet the most challenging deployed applications.

The 708 / 728 Series Enclosure is configured as a 19" rackmount system capable of supporting a wide variety of industry bus standards such as VPX, VME, VME64x, VXS, VXI, and CompactPCI, as well as custom bus backplane technologies and application-specific I/O requirements. Available in heights ranging from 3U to 9U, the Enclosure is configurable for either a rigid mount or shock-isolated card cage. The 708 / 728 Series Enclosure utilizes an aluminum, welded design incorporating EMI "honeycomb" filters and environmental gaskets on all access panels to meet stringent emissions requirements. Power supply options provide a wide range of inputs from 350 to 600 Watts. The internal rack infrastructure is designed to meet IEEE1101.10/11.



708/728 SERIES

HORIZONTAL RUGGED RACKMOUNT ENCLOSURE

DESIGN SPECIFICATIONS:

Physical

- 708 Depth = 20.5" (520,7)
- 728 Depth = 26.0" (660,4)
- Height - See table
- Width - 17" (431,8) w/o EIA Ears

System Options

- Redundant Power Supplies
- Hot Swap Power Supplies
- Hot Swap Backplanes
- System Monitor
- Fan Monitor
- High Temperature Warning

Backplanes

- 100% Level 3 Elec. Test
- 100% Press-Fit Construction
- VME, VME Hot Swap, MBII, MBI
- See backplane section for complete list of options

Electrical

- Frequency 47-63 Hz (400 Hz available)
- Voltage 90 -132, 180 - 264 VAC (Auto range available)
- Circuit breaker
- Power - 350 - 600 Watts
See table for options
- Power factor correction available

Cooling (see figure)

- Dual 90 CFM fans
- 12V DC brushless sealed ball bearing
- Optional air filter
- Current draw 500 mA/fan typ.
- 130 CFM available
- Tach alarm with TR level signal output

Structure

- .125" (3,175) 5052-H32 aluminum
- Clear chromate MIL-C-5541 CL3
- Outside surface painted fed. std. 26307 navy grey
- Anti-vibration fasteners
- Conductive interfaces

Reliability

MTTR	MTBF
PSU = .5 hrs	= 100,000 hrs
FAN = .25 hrs	= 50,000 hrs
B/P = 1 hr	= 1,000,000 hrs

Environmental

- Operating Temperature 0° to 50°C
- Storage Temperature -20° to 85°C
- Humidity - Less Than 95% noncondensing
- Acoustical - <45dba Typ.

See Also

- Backplanes
- Power Supplies
- Enclosure Options/Accessories
- W-W Boards/Extenders
- Cabinets
- Integration
- Rugged Products (COTS)
- Telecom Products

Height Number of Slots

Peripheral Options

Enclosure Height Required

VME

3, 5	No Drives	3U
6, 7	No Drives	4U
9	No Drives	5U
10	No Drives	6U
12	No Drives	7U
3	Dual 1/2 Heights Over Rack	4U
5, 6	Dual 1/2 Heights Over Rack	5U
7	Dual 1/2 Heights Over Rack	6U
9, 10	Dual 1/2 Heights Over Rack	7U
12	Dual 1/2 Heights Over Rack	8U
3	Dual Full Heights Over Rack	5U
5, 6	Dual Full Heights Over Rack	6U
7	Dual Full Heights Over Rack	7U
9, 10	Dual Full Heights Over Rack	8U
12	Dual Full Heights Over Rack	9U

NOTE 1:

All mounting provisions are for 5 1/4 drives – power cabling is included with all drive mounting options.

NOTE 2:

Peripheral bays are recessed behind the front panels

NOTE 3:

Consult factory for evacuation style enclosures



Power Supply Current Outputs

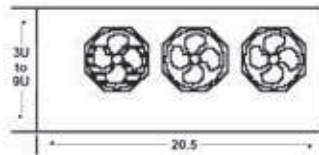
Power Supply	+5V	-5V	+12V	-12V
250 Watts (T)	35A	1.5A	8A	4A
350 Watts (F)	50A	2A	8/12A	4A
500 Watts (H)	80A	2A	10/16A	10A

NOTE: All power supplies are quad output switching power supplies.

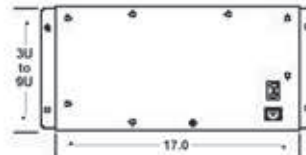
VXI Power Supply Current Outputs

Power Supply	+5V	-5V	+12V	-12V	+24V	-24V	-2V
600 Watts (M)	50A	25A	4A	3A	3A	3A	10A

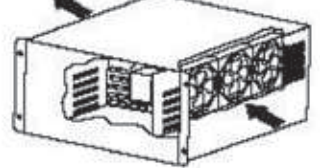
Side View



Rear View



ISO View



PART NUMBERING / ORDERING INFORMATION:

708/728 X X X X X X X X X X X

Denotes:
Rackmount
Enclosures

Height:
3 = 3U
4 = 4U
5 = 5U
6 = 6U
7 = 7U
8 = 8U
9 = 9U

Power Supply
T = 250 Watts
F = 350 Watts
H = 500 Watts
M = 600 Watts

Backplane Type

VME:
LA = J1
LT = J2
HA = Hot swap
LF = J1/J2
DF = J1/J2 High performance

MBII:

AA = iPSB
AB = iLBX
VXI:
GF = J1/J2, C-size
GH = J1/J2/J3, D-size
VME64x:
NL = J1/J0/J2, ABG

Special:

NO = No backplane
SP = Special backplane consult factory

Options (Consult Factory)

Mounting Provisions

D = Desktop
K = EIA rackmount ears
C = EIA rackmount ears and mounting provisions for slides (slides ordered separately)

Construction

F = Bolted
W = Welded

Slot Count:

VME: 02-12
MBII: 03-12
VXI: 05-08

Special:

BP = Special or No Backplane
Consult Factory

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