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TECHNOLOGY GROUP

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Atrenne Integrated Solutions



509/529 SERIES

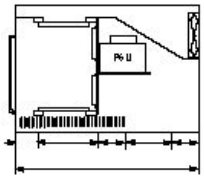
8U RACKMOUNT/ BENCHTOP ENCLOSURE

FEATURES AND BENEFITS

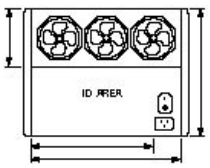
- VME64, VME64x, and cPCI vertical load
- 20.5" (520,7) deep
- Up to 21-slots (4 HP)
- Recess or flush-mount boards
- Power supplies to 1000 W
- 8U to 12U high
- Fixed-mount drive options
- Pressurized or evacuation-cooled
- I/O provisions
- Rackmount or desktop



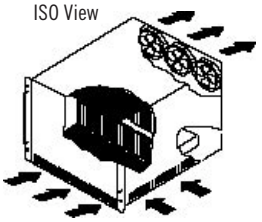
Side View



Rear View



ISO View

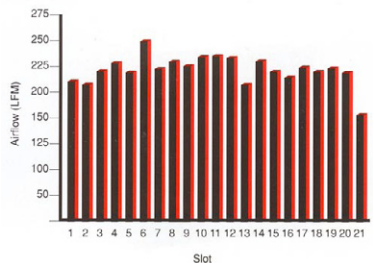


Slot Count	Drive Options	Enclosure Height Required	
509 VME		6U Rack	9U Rack
Up to 12	Dual Full or 1⁄2 Heights - Peripheral Bays	8U	-
Up to 20	Dual 1⁄2 Heights Over Rack - Front Access	10U	-
Up to 20	Dual Full Heights Over Rack - Front Access	11U	-
529 VXI			
Up to 13	None	8U	11U
5 or 8 (20 SUN)	Dual Full or 1⁄2 Heights - Peripheral Bays	8U	11U
Up to 13 (70 SUN)	Dual 1⁄2 Heights Over Rack - Front Access	10U	13U
Up to 13 (70 SUN)	Dual Full Heights Over Rack Front Access	11U	14U

NOTE 1: All Mounting Provisions are for 5¼" drives unless otherwise noted - Power Cabling is included with all drive mounting options.
NOTE 2: Peripheral Bays are recessed behind the front panels.

Power Supply Current Output

Power Supply	+5V	-5V	+12V	-12V	+24V	-24V	-2V
350 Watts (F)	50A	2A	8/12A	4A			
500 Watts (H)	80A	2A	10/16A	10A			
600 Watts (M)	50A	25A	8A	4A	3A	3A	10A
750 Watts (K)	120A	2A	12/20A	10A			
1000 Watts (W)	150A	10A	20/30A	10A			
1300 Watts (R)	70A	28A	16A	16A	8A	8A	30A



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

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509/529 SERIES

8U RACKMOUNT/ BENCHTOP ENCLOSURE

DESIGN SPECIFICATIONS:

Physical
- 509 depth = 20.5" (520,7)
- 529 depth = 26" (660,4)
- Height - see ordering information
- Width - 17" (431,8) w/o EIA ears

System Options
- Redundant power supplies
- Hot swap power supplies
- Hot swap backplanes
- System monitor
- Fan monitor
- Temperature monitor
- N+1 solutions

Backplanes
- 100% level 3 elec. test
- 100% press-fit construction
- VME, VME64x, cPCI
- See ordering information for complete list of options
- Frequency 47-63 Hz (400 Hz available)
- Voltage 90 - 132, 180 - 264 VAC (auto range available)
- Fusing - line and neutral
- Front on/off, power entry
- Dual fusing
- Front reset, voltage LEDs
- Power: see table B for options
- Power factor correction available

Cooling
- Typical 90 CFM fans
- 12V DC brushless sealed ball bearing
- Optional air filter
- Current draw 500 mA/fan typ.
- 130 CFM available

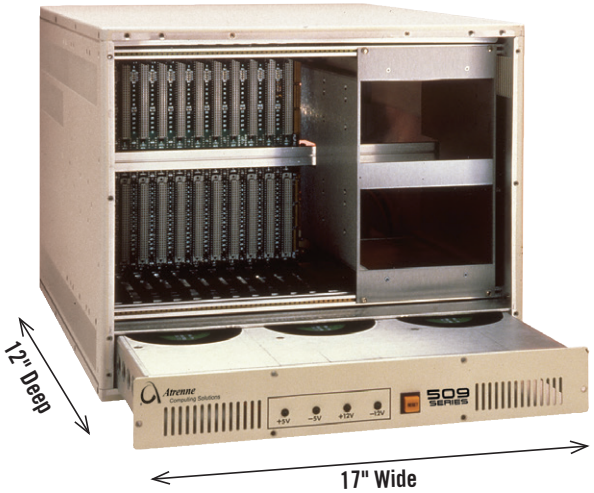
Designed To Meet
- UL 1950
- EN 60950
- VDE Class A
- CSA 22.2
- FCC Class A

Structure
- .09" (2,29) 5052-H32 aluminum
- Clear chromate MIL-C-5541 CL3
- Outside surface painted fed. std. 27780 beige
- Anti-vibration fasteners
- Conductive interfaces
- Captive hardwareavailable

Reliablity

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.



PART NUMBERING / ORDERING INFORMATION:



Model Number
509 = 20.5" (520,4) Deep
529 = 26" (660,4) Deep

Height in U's
8, 9, 0 = 10
A = 11
B = 12
C = 13
D = 14

Power Supply
W = 1000 Watts
H = 500 Watts
K = 750 Watts
F = 350 Watts
M = 600 Watts
R = 1300 Watts

Backplane Type
VME:
LA = J1 **LF** = J1/J2
DF = J1/J2 High Performance
LT = J2 **HA** = Hot Swap
VXI:
GF = J1/J2- C Size
GH = J1/J2/J3- D Size
Special:
NO = No backplane
SP = Special backplane Consult factory

Number of Slots
VME = 02-21
VXI = C Size: 5, 8, 13 D Size: 13
SPECIAL = BP: special or no backplane

Cooling/Card Access
E= Evacuation/Front Access

Mounting Provisions
D = Desktop
K =19" EIA rack adapters
C = 19" EIA rack adapters and mounting provisions for slides (Slides ordered seperately)

Options
(Call 508.588.6110)

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