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TECHNOLOGY GROUP

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Vertical Packaging

509/529 Series

ELECTRONIC PACKAGING DIVISION



- VME64, VME64x, and MBII Vertical Load
- 20.5" (520,7) Deep
- Up to 21 Slots (4 HP)
- Recess or Flush Mount Boards
- Power supplies to 1000W
- 8U to 12U High
- Fixed Mount Drive Options
- Pressurized or Evacuation Cooled
- I/O Provisions
- Rackmount or Desktop

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 = 100 Watts
H = 500 Watts
K = 750 Watts
F = 350 Watts
M = 600 Watts
R = 1200 Watts

Backplane Type
VME:
LA = J1
LF = J1/J2
DF = J1/J2 High Performance
LT = J2
HA = Hot Swap
MBII:
AA = iPSB
AB = iLBX-II
VXI:
GF = J1/J2 - C Size
GH = J1/J2/J3 - D Size
SUN:
EB = 9U, J1/J2/J3 with J/2 Local SUN Bussing
EC = 9N, J1/J2/J3 without J/2 Local SUN Bussing
Special
NO = No Backplane
SP = Special Backplane
Consult Factory

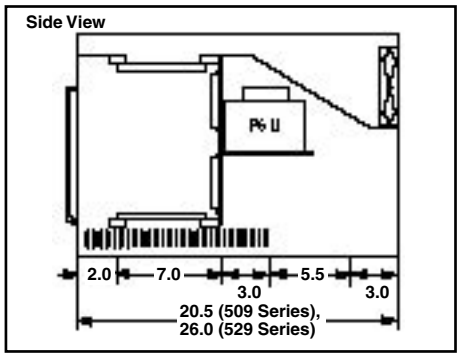
(See Backplane Section for details and additional Backplanes)

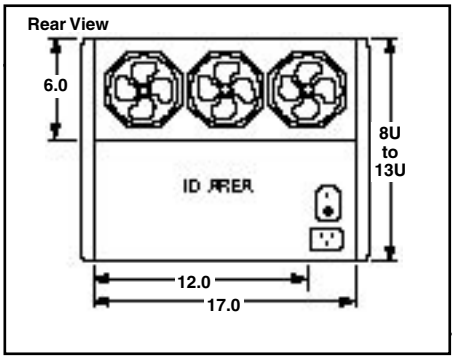
Options
(Call 508.588.6110)

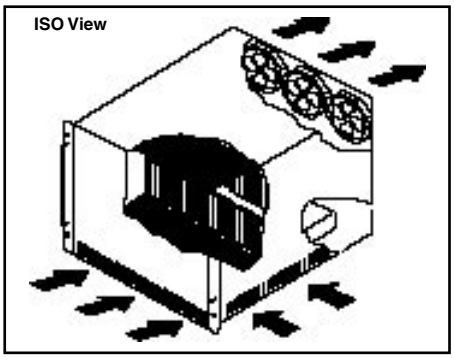
Mounting Provisions
D = Desktop
K = 19" EIA Rack Adapters
C = 19" EIA Rack Adapters and Mounting Provisions for Slides
(Slides ordered separately)

Cooling/Card Access
E = Evacuation/Front Access

Number of Slots
VME: 02-21
MBII: 05-20
VXI:
C Size: 5, 8, 13
D Size: 13
SUN:
9U: 04-20
Special
BP = Special or No Backplane
Consult Factory







innovative engineering, dependable products

Carlo Gavazzi Computing Solutions designs and manufactures standard and custom AdvancedTCA™, CompactPCI®, PCI/ISA, and Switch Fabric backplanes, cabinets, enclosures, I/O boards, and integrated systems that address your outsourcing and time-to-market needs.



CARLO GAVAZZI COMPUTING SOLUTIONS

Electronic Packaging
Fabric & Connectivity
Embedded Computing
Fulfillment

CARLO GAVAZZI

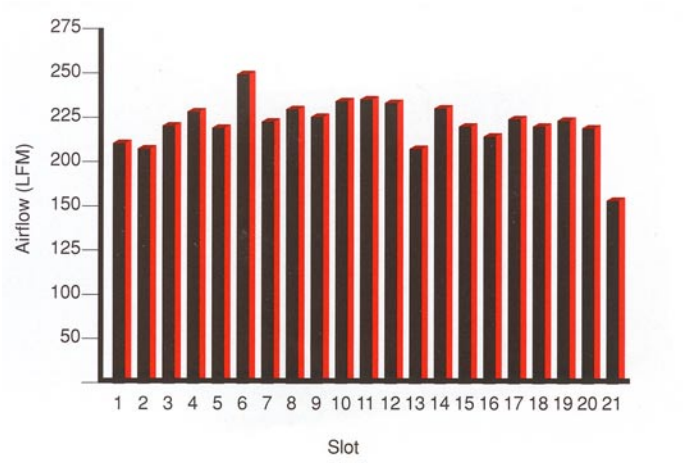
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Vertical Packaging

509/529 Series

ELECTRONIC PACKAGING DIVISION

Test Data - Evacuation Cooled 509/529 Series



Height

Slot Count	Drive Options	Enclosure Height Required 6U Rack	9U Rack
509 VME/MBII			
Up to 12	Dual Full or ½ Heights - Peripheral Bays	8U	–
Up to 20	Dual ½ Heights Over Rack - Front Access	10U	–
Up to 20	Dual Full Heights Over Rack - Front Access	11U	–
529 VXI/SUN			
Up to 13	**None**	8U	11U
5 or 8 (20 SUN)	Dual Full or ½ Heights - Peripheral Bays	8U	11U
Up to 13 (70 SUN)	Dual ½ 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 Outputs

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. See Appendix for power supply specifications.

Design Specification 509/529 Series

Physical
- 509 Depth = 20.5" (520,7)
- 529 Depth = 26" (660,4)
- Height - See Table A
- 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, VME Hot Swap, MBII
- See Backplane Section for complete list of options

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.

Electrical
- 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 Hardware Available

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