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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

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Rugged Military Packaging

709 Series

ELECTRONIC PACKAGING DIVISION



- VME64, VME64x, VITA41, MBII, VXI, PCI and CompactPCI
- Bolted or Welded Construction
- Up to 20 Slots (4HP)
- Power Supplies up to 1000W
- 20.5″ Deep
- Disk Drive Provisions Optional
- Vertical Load Enclosure
- EIA Rackmountable
- 8U to 15U High

Ordering Information

709 □□□ □ □ □□ □□ □□ □ □ □□□

Height in U's
8, 9, 0 = 10, A = 11, B = 12, C = 13, D = 14
(See Table A to Determine Height)

Power Supply
F = 350 Watts
M = 600 Watts
W = 1000 Watts
H = 500 Watts
K = 750 Watts
R = 1300 Watts
(See Table B)

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
Special:
NO = No Backplane
SP = Special Backplane
Consult Factory
(See Backplane Section for Details and Additional Backplanes)

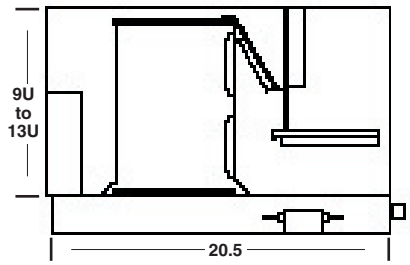
Number of Slots
VME: 03-20
VXI: 03-13
MBII: 03-20
Special
BP = Special or No Backplane
Consult Factory

Construction
F = Overlapping Bolted
W = Welded

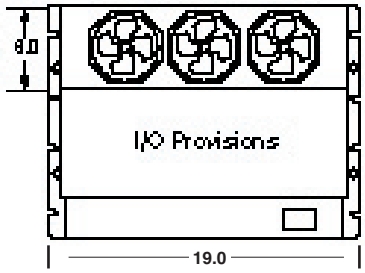
Mounting Provisions
K = EIA Rackmount Ears
C = EIA Rackmount Ears and Mounting Provisions for Slides (Slides Ordered Separately)

Options
(Consult Factory)

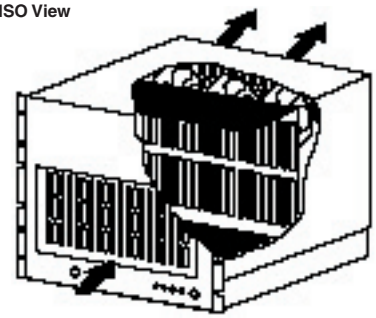
Side View



Rear View



ISO View



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

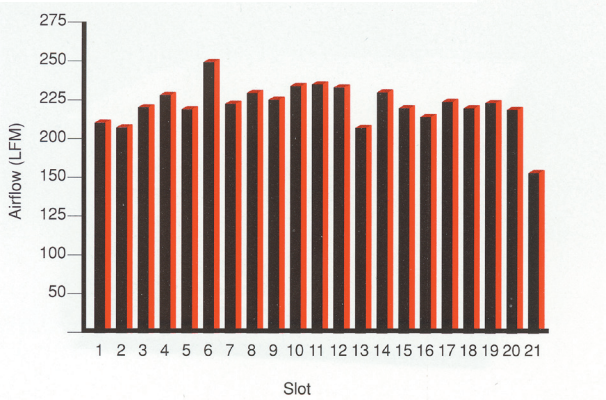
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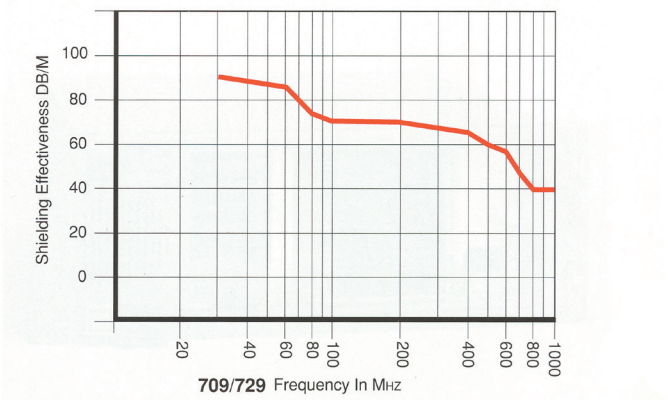
Rugged Military Packaging

709 Series

ELECTRONIC PACKAGING DIVISION

Test Data - 709/729 Series





Design Specification - 709

Physical
- 709 Depth = 20.5" (520,7)
- 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
- 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

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)
- Front Circuit Breaker
- Power - 350 - 1000 Watts See Table B for Options
- Power Factor Correction Available

Cooling
- Triple 90 CFM Fans
- 12V DC Brushless Sealed Ball Bearing
- Optional Particulate Filtration
- 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 Grey
- Anti-vibration Fasteners
- Conductive Interfaces

Height

# of Slots	Peripheral Options	Enclosure Height Required
709		
VME		
20	None	9U
Up to 20	Dual Half Heights Over Rack - Front Access	10U
Up to 20	Dual Full Heights Over Rack - Front Access	11U
729		
VME		
20	None	8U
20	Dual 5¼ Half Height	10U
12	Peripheral Bay	8U
VXI		
13 (GFB/P)	None	9U
13 (GHB/P)	None	11U
13 (GF)	Dual 5¼ Half Height	10U
13 (GHB/P)	Dual 5¼ Half Height	13U
MBII		
20	None	8U
20	Dual 5¼ Half Height	10U
12	Peripheral Bay	8U

NOTE 1: All Mounting Provisions are for 5¼" Drives - 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
350 Watts (F)	50A	2A	8/12A	4A
500 Watts (H)	80A	2A	10/16A	10A
750 Watts (K)	120A	2A	12/20A	10A
1000 Watts (W)	150A	10	20/30A	10A

NOTE: All Power Supplies are Quad Output Switching Power Supplies. See Appendix for Power Supply Specifications.

VXI Power Supply Current Outputs

Power Supply	+5V	-5V	+12V	-12V	+24V	-24V	-2V
600 Watts (M)	50A	25A	4A	3A	3A	3A	10A
1300 Watts (R)	70A	28A	16A	16A	8A	8A	30A

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COMPUTING SOLUTIONS

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