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CompactPCI® Portable Enclosure

585 Series

ELECTRONIC PACKAGING DIVISION



- 15.75"H (9U) x 9.2/11.6" W x 11.7"D Chassis (400mm x 234/296mm x 297mm)
- 5- or 8-slot 6U CompactPCI Backplane with Front & Rear I/O
- One 5.25" x 1.63", One 3.5" x 1.0" Accessible Peripheral Bay & One 3.5" Internal Bay
- 320W Autosense ATX Power Supply
- Dual 50/90CFM Fans
- Accepts Pentium®, Celeron™, or Pentium II/III CompactPCI SBCs
- H.110 & Hot Swap Compliant
- Available with 2.16 or 2.17 Fabric Backplanes

Carlo Gavazzi's 585 Series is a portable 5- or 8-slot CompactPCI lightweight aluminum enclosure, excellent for high availability datacom/telecom, industrial automation and mobile test environments.

Highly serviceable and maintainable, the 9U high 585 Series features a flush card cage accommodating either five or eight 6U x 160mm CompactPCI boards housed in a vertical orientation. The rightmost slot is double-wide and reserved as the system (CPU) slot. The backplanes support H.110, the IPMB as specified in PICMG 2.9 rev. 1.0, 5.0 or 3.3-volt keying and Hot Swap. Optional 1101.11 compliant 80mm transition I/O cards are supported. One 5.25" x 1.63" device is available on a double-wide carrier card, and two 3.5" x 1.0" devices (one accessible) are available on a single-wide carrier card.

The chassis comes with a five-output, 320-Watt auto select 90-264 VAC ATX power supply. The cooling subsystem consists of two high reliability 50CFM (5-slot chassis) or 90CFM (8-slot chassis), DC ball-bearing fans and a 35 CFM power supply exhaust fan. Lower front air intake, top exhaust. A two-year limited warranty is standard.

Versatile. Reliable. Carlo Gavazzi's 585 Series CompactPCI portable enclosures are designed to meet the needs of embedded, telecommunications, development, testing, military and measurement applications.

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

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CompactPCI® Portable Enclosure

585 Series

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SPECIFICATIONS

Dimensions

- **5-Slot System**
  15.75" High (6U) x 9.187" Wide x 11.687" Deep (400.05mm x 233.65mm x 296.85mm)
- **8-Slot System**
  15.75" High (6U) x 11.625" Wide x 11.687" Deep (400.05mm x 295.28mm x 296.85mm)

Weight

- 14.75 - 16.44lbs. (6.64 - 7.40kg) approximately, w/o cards or peripherals

Construciton / Finish

- .90" Lightweight aluminum alloy, grey with medium texture
- Flush card cage
- Plastic carrying handle, rubber feet

Backplane

- Conforms to PICMG 2.0 rev. 2.1
- Hot Swap conforms to PICMG 2.1 rev. 1.0
- Telephony conforms to PICMG 2.5 rev. 1.0
- Supports 32- and 64-bit PCI architectures.
- 5- & 8-slot 6U, system (CPU) slot double-wide (8HP)
- Coding keys for 3.3 & 5 volt operation
- Pin-and-socket mating data connector with staggered make-break for optional Hot Swap capability and rear pinout for through-the-backplane I/O

Peripheral Cards

- One 5.25" x 1.63", 8HP
- Two 3.5" x 1.0", one accessible, 4HP

Indicators/Controls

- Rear On/Off power switch

Rear Panel I/O

- One AC Power inlet connector
- IEEE 1101.11 compliant 80mm transition module card cage

Power Supply Subsystem

Output Current:	320-Watt ATX
+5V	32A
+12V	11A
-12V	1.0 A
-5V	1.0 A
+3.3V	20A

Input Voltage: 320 Watt: 90 to 264 VAC, 47 to 63 Hz, fuse protected. Combined total power from the +3.3v & +5v rail shall not exceed 160W.

Thermal Management

- Two 50CFM DC brushless ball bearing fans for 5-slot model, 90CFM for 8-slot model
- Power supply exhaust fan (35CFM)
- Air ingress through bottom front, egress through top

Regulatory

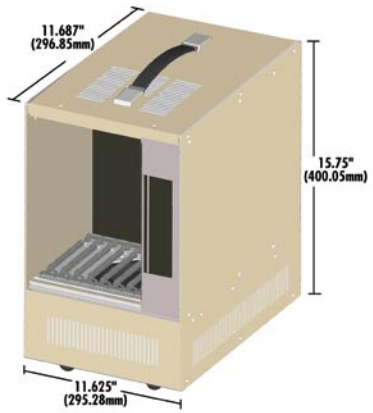
Safety: UL/cUL Recognized to 1950, CSA C22.2 No. 950, CE mark EN60950

EMC: FCC CFR 47 Part 15 Class A (US), CISPR 22 CE mark Class A to EN55022 1994/A1:1995/A2: 1997 & 50082-1:1997(Europe), AS/NZS 3548: 1995/CISPR 22 Class A (Australia), VCCI Class A (Japan).

ESD: EN61000-4-2,3 (1998), EN61000-4-4 (1995-10).

Reliability

- MTBF: >50,000 POH.
- Two-Year Limited Warranty.



ORDERING INFORMATION

Call for pricing and availability. *Custom versions quoted.*

Note: All backplanes listed are right justified, double-wide system CPU slot.

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- Series
- Width
  A = 5-Slot 9.2"
  B = 8-Slot 11.6"
- Power Supply
  4 = 320W ATX
- Backplanes
  - RY65 = 5-Slot W/5.0 volt keying, Hot Swap Support & Telephony
  - RY68 = 8-Slot W/5.0 volt keying, Hot Swap Support & Telephony
  - RW65 = 5-Slot W/3.3 volt keying, Hot Swap Support & Telephony
  - RW68 = 8-Slot W/3.3 volt keying, Hot Swap Support & Telephony
  - RX65 = 5-Slot W/5.0 volt keying, Hot Swap Support
  - RX68 = 8-Slot W/5.0 volt keying, Hot Swap Support
  - RV65 = 5-Slot W/3.3 volt keying, Hot Swap Support
  - RV68 = 8-Slot W/3.3 volt keying, Hot Swap Support
- Front Load
- Tower
- Options
  Consult Factory

Example: 585A4RY68FT – 001 is a Series 585 with 8-slots, a 320W ATX power supply, and an 8-slot w/5.0 volt keying, hotswap support & telephony CompactPCI backplane, standard.

OPTIONS:

CSM-HD/CDROM
CompactPCI 8HP Storage Module for 5.25" 3.5" Devices.

CSM-FD/HD
CompactPCI 4HP Storage Module for Floppy & 3.5" Devices.

Also Available Call Factory
Floppy/EIDE/SCSI Peripherals Mounted on CSM-HD/CDROM & CSM-FD/HD Storage Modules. CompactPCI SBCs, Memory and O.S.

Call Factory for 4HP & 8HP Front and Rear Blank Filler Panels.

Environmental

	Operating	Storage/Transit
Temperature:	0 to 50°C (32 to 122°F)	-20 to +60°C (-4 to 140°F)
Humidity:	20 to 90% @ 50°C (122°F) non-condensing	5 to 95% @ 50°C (122°F) non-condensing
Altitude:	15,000 ft. (4,572 m.)	50,000 ft. (15,240 m.)

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