

CC103

3 slots

CC105

5 slots

CC108

8 slots



acqiris



**High Performance
CompactPCI Crates**

Main Features

- Cross-flow Air Circulation
- Compact Design for High Density Rack-Mounted or Bench Top Installations
- 3, 5, and 8 Slot Versions
- Systems Compatible with CPCI Extension Interfaces or Embedded Pentium Processor Boards
- Accepts both 6U and 3U CompactPCI/PXI Modules*
 - * 3U Modules must be used with the XC100 accessory
- Front and Rear Panel On/Off Switches
- Quality Power Supply
- IEEE 1101.10 Mechanical Packaging
- Supports "Plug and Play" Installation of Modular Instrumentation

Designed for Data Acquisition

Acqiris' 6U CompactPCI crates use the highest quality components and high output power supplies in order to maximize system performance and reliability.

These universally applicable CompactPCI crates are carefully designed to yield high performance test systems for bench, lab and manufacturing test applications.

The crates come in 3 (CC103), 5 (CC105) and 8-slot (CC108) versions. They can be used free standing on the bench or rack-mounted in standard 19" inch instrumentation racks. The CC series instrumentation crates support the use of both 3U and 6U

CompactPCI modules allowing users to compose systems for their specific applications. For example, a test system based on the CC108 can house up to 7 instrument modules including any combination of 6U or 3U CompactPCI digitizers, multiplex switching cards, waveform generators etc., plus one slot dedicated to a remote PCI host processor interface or to an embedded 6U processor board. It is even possible to fill the 7 slots entirely with Acqiris quad digitizer modules in order to achieve 28 channels of simultaneously sampled data.

The unique cooling system (patent pending) of the CC series crates has been designed to ensure even temperature gradients in the crates as well as 19" racks. Modules are mounted horizontally and the airflow is directed from one side of the crate to the other. The result is a stable and uniform internal temperature that allows the Digitizers and other system components to operate with minimal temperature variations, subsequently experiencing less drift in their measurement precision and therefore requiring less frequent re-calibration.



CC103, CC105 and CC108 CompactPCI Crates

General Specifications

Input Voltage

85 - 265 VAC Universal

Voltage Frequency

47 – 440 Hz

Power factor

0.99, meets EN61000-3-2

Crate	Slots (6U)	Power W	Size (w x d x h) mm	Rack Mount Space Needed (mm)	Weight Kg
CC103	3	150	342 x 346 x 106	3U (132.5)	7.2
CC105	5	250	342 x 346 x 146	4U (177)	7.9
CC108	8	400	342 x 346 x 212	5U (221.4)	9.2

Available Current

Crate	3.3 VDC	5 VDC	12 VDC	-12 VDC
CC103	25A	20A	4.5A	1.5A
CC105	35A	30A	7.5A	4A
CC108	60A	35A	12A	12A

Crates accept modules compliant with CompactPCI, PICMG 2.0 R2.1
Crates don't accept rear panel transition boards

Warranty

3 years

Environmental

Operating Temperature

0° to 45°C

Relative Humidity

5 to 95% (non-condensing)

Shock&Vibration

Complies with MIL-Hdbk 810E, MIL-T-28800E Class 3

EMC Immunity

Complies with EN50082-1

EMC Emissions


Complies with EN50081-1, EN55022 Class B

Mechanical Packaging

Complies with IEEE1101.10

Safety

Complies with IEC1010-1 installation Category II, pollution Degree 2, Safety Class 1

Certification and Compliance 

Ordering Information

Model Number	Description
CC103	3 slot 6U CompactPCI crate
XC103	Rack-mount kit for CC103 crate
CC105	5 slot 6U CompactPCI crate
XC105	Rack-mount kit for CC105 crate
CC108	8 slot 6U CompactPCI Crate
XC103	Rack-mount kit for CC108 crate
XC100	6U to 3U slot adapter
XC200	6U blanking panel

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