Acqiris CC105

5-Slot cPCI Crate

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CC108
8 slots

CC105
5 slots

CC103
3 slots

acqiris

High Performance
CompactPCI Crates
and Accessories

Main Features

- **Optimized cross-flow air circulation**
- **Compact design for high density rack-mounted or bench top installations**
- **3-, 5- and 8-slot versions**
- **Systems compatible with CompactPCI extension interfaces or embedded Pentium processor boards**
- **Accepts both 6U and 3U CompactPCI (PICMG 2.0 R2.1) and PXI modules (3U modules must be used with the XC100 accessory)**
- **Front and rear panel on/off switches**
- **Optional handle and feet accessories for added portability**
- **Optional rack-mount kit and lateral handles for placement in 19" instrument racks**
- **High quality power supply with universal AC input, power factor correction, auto voltage and auto-frequency ranging**
- **Supports "Plug and Play" installation of modular instrumentation**
- **IEEE 1101.10 mechanical packaging**

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.

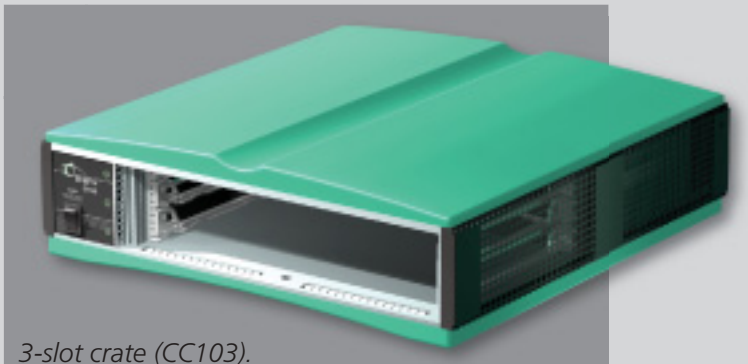
The crates can be used free standing on the bench or rack-mounted in standard 19" instrumentation racks.

Modules are mounted horizontally and the airflow is directed from one side of the crate to the other. This allows the custom patented cooling system of the Acqiris digitizers to perform optimally.

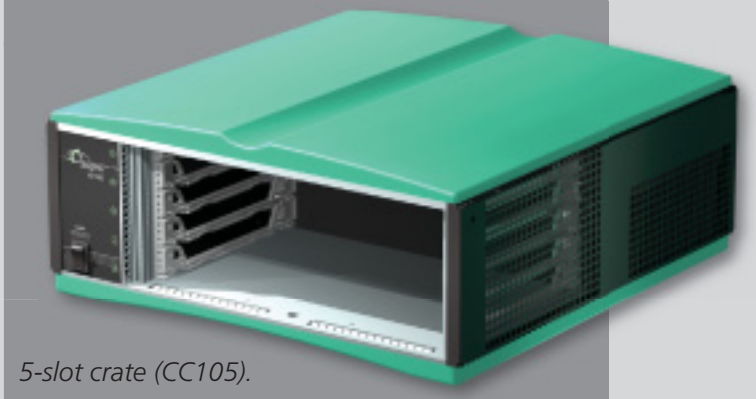
The result is a stable and uniform internal temperature that allows the digitizers and other system components to operate with minimal temperature variations in the crates as used in 19" racks or stand-alone. Thus there is less drift of their characteristics, and therefore frequent re-calibration is not required.

3-slot crate (CC103) equipped with two digitizer cards and one PCI interface for easy connection to a benchtop PC.

High Performance CompactPCI Crates



3-slot crate (CC103).



5-slot crate (CC105).

8-slot crate (CC108).

Crate Selection

The crates are available in 3-, 5- and 8-slot versions and support the use of both 3U and 6U CompactPCI modules.

With one system slot, dedicated to a remote PCI host processor interface or to an embedded 6U processor board, the remaining peripheral slots can be used to compose systems for specific applications.

A test system, based on a CC108 crate, can house up to 7 instrument modules including any combination of 6U or 3U CompactPCI digitizers, multiplex switching cards, waveform generators, etc.

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.

Portable Systems

Handle and Feet Kit

With ergonomically designed handles and protective feet, systems can easily be moved from one location to another.

This makes the systems ideal for applications where data acquisition is required at multiple site locations, in the field, outside of the lab and off of the bench.

3-slot crate with optional handle and feet kit (CC103 + XC113), here shown equipped with two digitizer cards and one processor card.

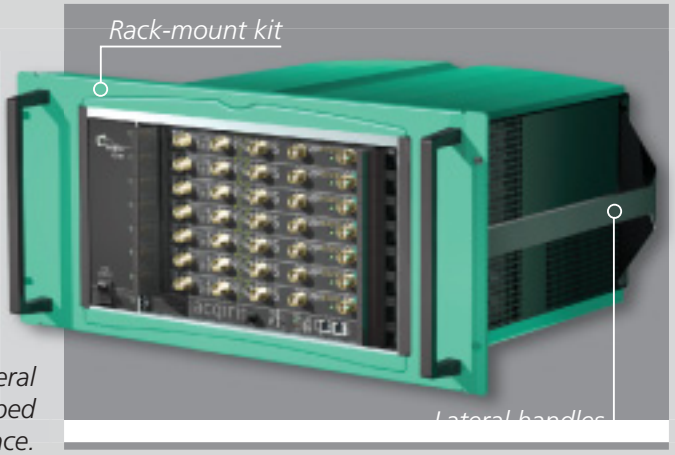
Rack Mountable

Rack-mount Kit

The rack-mount kit contains all that is required to mount a crate in a standard 19" instrumentation rack.

Lateral Handles

Complemented with two lateral handles, the systems are easily moved allowing trouble-free organization of rack space.



8-slot crate with optional rack-mount kit with lateral handles (CC108 + XC128), here shown equipped with seven digitizer cards and one PCI interface.

Crate Accessory	3-slot crate CC103	5-slot crate CC105	8-slot crate CC108
Rack-mount kit	XC103	XC105	XC108
Handle and feet kit	XC113	XC115	XC118
Rack-mount kit with lateral handles	XC123	XC125	XC128

High Performance CompactPCI Crates
Models CC108, CC105 and CC103

General Specifications

Input Voltage
85 – 265 VAC
Universal

Voltage Frequency Range
47 – 440 Hz
Auto-frequency ranging

Power Factor
0.99 typical,
meets EN61000-3-2

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

Maximum Current

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

Crates accept modules compliant with CompactPCI, PICMG 2.0 R2.1.
They can be used at 33 MHz or 66MHz.

Crates accept PXI modules but do not provide PXI specific features.

Crates do not accept rear panel transition boards.

Environmental

Environmental
Operating Temperature
0° to 45°C

Relative Humidity
5 to 95% non-condensing

Shock*
30 G, half-sine pulse

Vibration*
5 – 500 Hz, random

Safety
Complies with EN61010-1
Installation category II,
pollution degree 2, safety class 1

EMC Immunity

EMC Emission

Mechanical Packaging
Complies with IEEE1101.10

CE Certification and Compliance

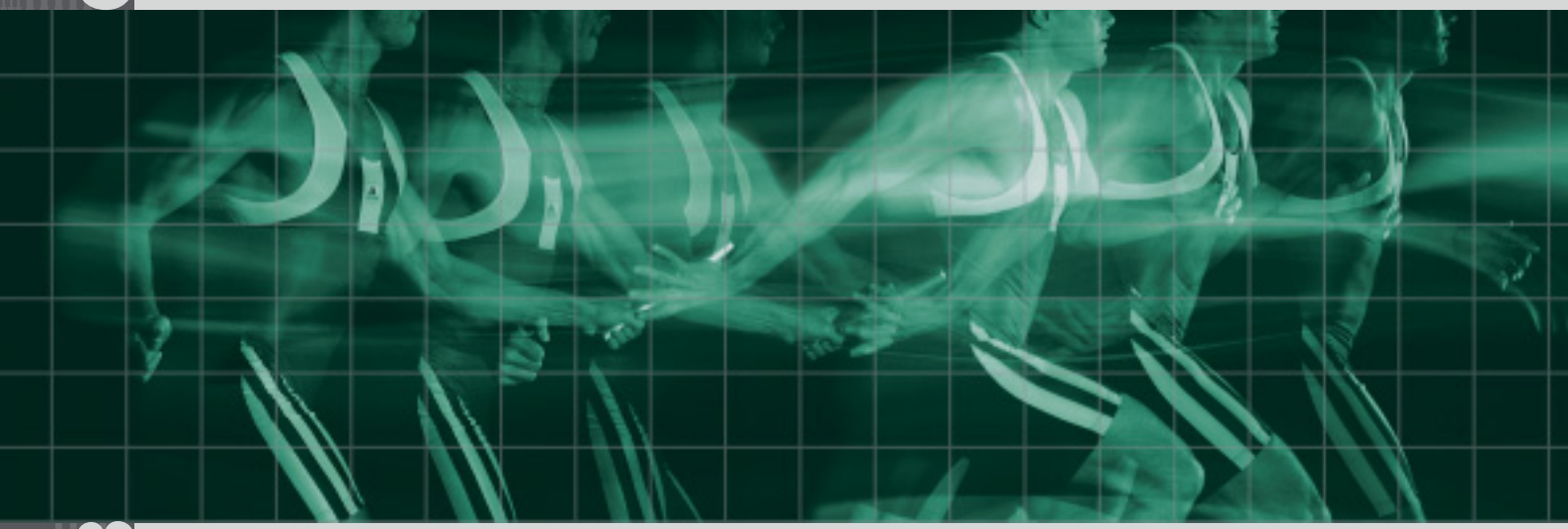
* As defined by MIL-PRF-28800F Class 3

Ordering Information

Model Number	Description
CC108	8 slot 6U CompactPCI crate
XC108	Rack-mount kit for CC108 crate
XC118	Handle and feet kit for CC108 crate
XC128	Rack-mount kit with lateral handles for CC108 crate
CC105	5 slot 6U CompactPCI crate
XC105	Rack-mount kit for CC105 crate
XC115	Handle and feet kit for CC105 crate
XC125	Rack-mount kit with lateral handles for CC105 crate

Model Number	Description
CC103	3 slot 6U CompactPCI crate
XC103	Rack-mount kit for CC103 crate
XC113	Handle and feet kit for CC103 crate
XC123	Rack-mount kit with lateral handles for CC103 crate
XC100	6U to 3U slot adaptor
XC200	6U blanking panel

Items not listed in the current price list may only be available under specific request. Please contact your local representative for more information.



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