



Racal Instruments™ 1264C

Compact, 6-Slot VXIbus Chassis

The Racal Instruments™ 1264C is a low-cost, 6-slot, C-size VXI chassis, designed and built with ISO-9001 certified Racal Instruments quality. This chassis benefits from our years of experience as a leading VXIbus chassis manufacturer, with performance features normally found only in high-end, 13-slot chassis.

Key Features

- Low cost
- Lightweight and portable
- 800 W of available power
- System monitor included
- Rack mount kits available
- Ideal for limited-space, rack-mount applications

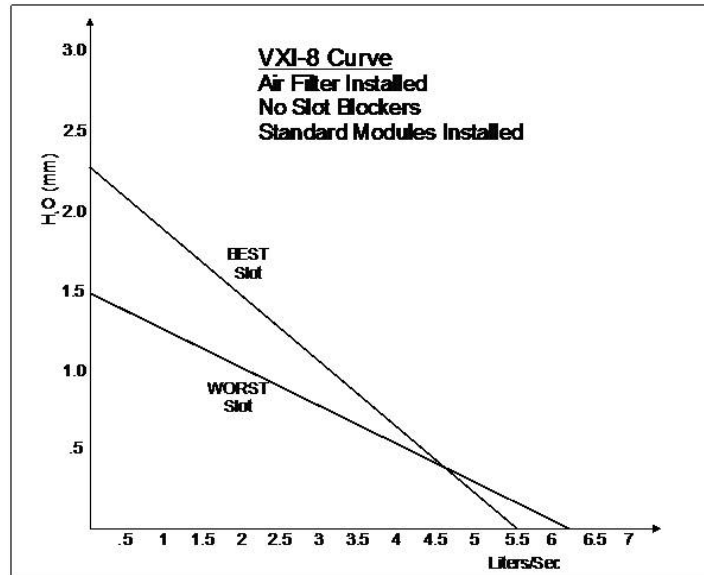
Product Information

The 1264C is ideal for portable applications. Available rack ear and slide kits also make this chassis the natural choice for rack mount applications with limited space or budget. We recommend the sister model 1264C/D for rackmount applications requiring an integral cable tray (see separate data sheet).

Installed modules are recessed three inches from the front of the chassis, forming a protective area for connectors and cable loops. An optional aluminum front door is available for mounting connectors, small receivers, keyboards, or displays.

The 1264C uses a modular power supply assembly with a wireless interconnect system. This provides 800 W of available power and 500 W of usable power. Its high dynamic current ensures crisp signals and accurate measurements from installed modules. The chassis includes status indicators for all seven power supply rails and fan operation.

Ample cooling air is delivered to the modules by means of a pressurized plenum system for even airflow distribution. The chassis includes our unique slot blockers, which are easily installed to prevent cooling air from diverting through unused slots.



1264C Airflow
Airflow curves generated using VXI-8 fixture and specifications.

Specifications

Note: The Astronics Test Systems policy is one of continuous development and improvement. Consequently, the equipment may vary in detail from the description and specifications in this publication.

Electrical Performance

Power Supply Input

- Standard: 115 VAC ±10%
- Optional: 230 VAC ±10% (order Option 71)

AC Line Frequency

- 47 to 63 Hz

Max Input Power

- 1000 VA

Interface

DC Power

- Total Usable Power: 500 W
- Total Available Power: 800 W

Periodic and Random Deviations (PARD)

- ±24 VDC: 150 mV_{pk-pk}
- All others: 50 mV_{pk-pk}

Power Supply Protection

- Over Voltage
- Over Temperature
- Over Current
- Short Circuit

Peak Current and Dynamic Current

	I_{MP} (A)	I_{MD} (A)
+5 V	45 A	5 A
-5.2 V	30 A	4 A
+12 V	8 A	2 A
-12 V	8 A	2 A
+24 V	4 A	3 A
-24 V	4 A	3 A
-2 V	15 A	3 A

Go/No-Go Status Indicators

- Green light=O.K.; Red light=Failure
- Monitor all seven power supplies, fan operation and ambient temperature.

Environmental

(MIL-T-28800 Type III, Class 5, Style F)

Acoustic Noise

- 56 dBA

Temperature Range

- Operating: 0° C to 50° C
- Storage: -40° C to 71° C

EMC

- FCC 47 CFR Part 15 Class A
- CE: EN50081-1 Emissions; EN50082-1 Immunity

Safety

- EN61010-1, UL 3111-1

Mechanical

Mainframe Size

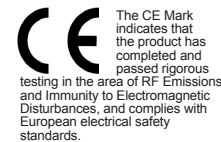
- VXIbus, 6 each C-size slots

Chassis Weight

- Bench Top Model: 27 lbs (12.3 kg)

Dimensions

- 16.75" H X 8.7" W X 21.3" D



Ordering Information

407647 : Racal Instruments™ 1264C

C-Size, 6-Slot VXIbus Mainframe

Available Options

- 407670 : Option 01; Rackmount Kit with Slides
- 407671 : Option 04; Rackmount Ears Only
- 407672 : Option 15; Air Filter
- 407675 : Option 52; Inter-Module Shields (5 each)
- 407676 : Option 71; 230 VAC Fuse and European Power Cord
- 404836 : Blanking Plates (1 slot)
- 456271 : Additional Air Flow Blocker
- OPT-407673 : Option 23; Aluminum Front Door
- OPT-407674 : Option 51; Backplane Connector Shields (must be factory installed)



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