

Racal Instruments™ 1264C/D

Rack Mounted 6-Slot Chassis



The Racal Instruments™ 1264C/D is a low-cost, 6-slot, C-size VXI chassis with integral aluminum front door and cable tray. 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
- 800 W of available power
- Integral aluminum front door and cable tray
- System monitor included
- Rack ears and slides included
- Ideal for limited-space, rack-mount applications

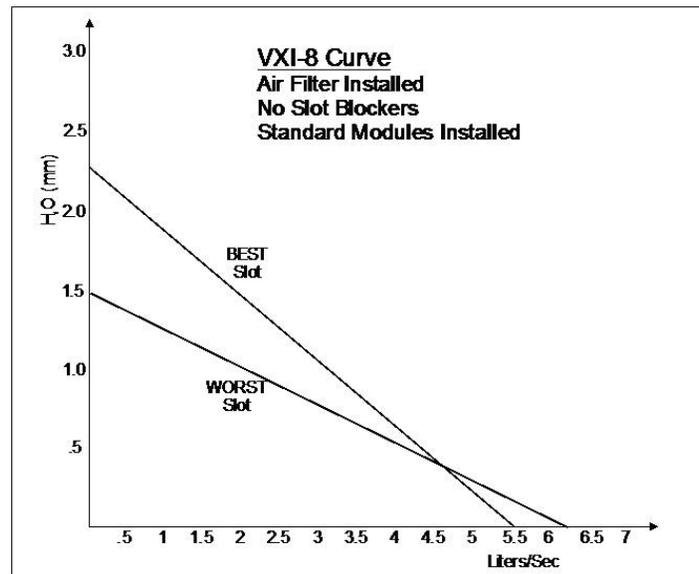
Product Information

The 1264 C/D chassis is ideal for rack-mount applications with limited space availability, and includes an aluminum front door for mounting connectors, small receivers, keyboards, or displays. Modules are recessed three inches behind the door, allowing room for connectors and cable service loops. An integral cable tray can be used to wire additional system assets to the front door through the rear of the chassis.

The 1264C/D 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 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 air from diverting through unused slots.



1264C/D Airflow Diagram
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

- 115 VAC ±10%
- 230 VAC ±10% (option 71 required)

AC Line Frequency

- 47 to 63 Hz

Max Input Power

- 1000 VA

System Monitoring

(Standard)

Go/No Go Status Indicators

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

Interface

DC Power

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

Peak Current and Dynamic Current

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

Periodic and Random Deviations (PAR)

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

Environmental

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

Audible Noise

- 55 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

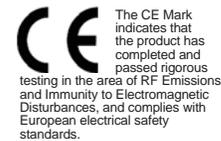
- VXIbus, 6 each C-size slots

Chassis Weight

- Rack Mount Model 30 lbs

Dimensions

- 21.6" D x 19" W x 10.5" H



Ordering Information

407682 : Racal Instruments™ 1264C/D

VXI C-size, 6 slot mainframe with hinged door, cable tray and rackmount kit with slides

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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