



## Compact, 6-Slot VXIbus Chassis

- ◆ **Low Cost**
- ◆ **Lightweight and Portable**
- ◆ **800 W of Available Power**
- ◆ **System Monitor Included**
- ◆ **Rack Mount Kits Available**
- ◆ **Ideal for Limited-Space,  
Rack-Mount Applications**

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 Racal Instruments' years of experience as a leading VXIbus chassis manufacturer, with performance features normally found only in high-end, 13-slot chassis.

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

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 useable 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 Racal Instruments' unique slot blockers, which are easily installed to prevent cooling air from diverting through unused slots.

# 1264C PRODUCT SPECIFICATIONS

## ELECTRICAL PERFORMANCE

### Power Supply Input

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

### AC Line Frequency

47-63 Hz

### Max Input Power

1000 VA

## VXIBUS INTERFACE DATA

### Peak Current and Dynamic Current

	+5V	-5.2V	+12V	-12V	+24V	-24V	-2V
I <sub>MP</sub> (A)	45	30	8	8	4	4	15
I <sub>MD</sub> (A)	5	4	2	2	3	3	3

### DC Power

Total Usable Power = 500 W  
Total Available Power = 800 W

### Periodic and Random Deviations (PARD)

±24 VDC: 150 mVpk-pk  
All others: 50 mVpk-pk

### Power Supply Protection

Over Voltage  
Over Temperature  
Over Current  
Short Circuit

## SYSTEM MONITORING

### Go/No-Go Status Indicators

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

## 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

## ENVIRONMENTAL DATA

(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

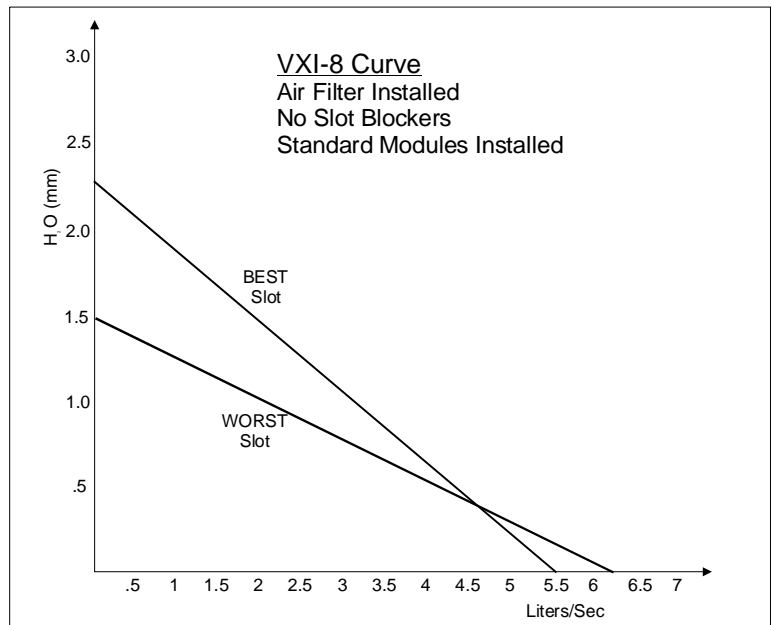
### EMC Compliance

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

### Safety Compliance

EN61010-1, UL 3111-1

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



**CE** The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

## ORDERING INFORMATION

### MODEL/DESCRIPTION

Racal Instruments 1264C, C-Size, 6-Slot VXIbus Mainframe  
Option 01, Rack-Mount Kit with Slides  
Option 04, Rack-Mount Ears Only  
Option 15, Air Filter  
Option 23, Aluminum Front Door  
Option 51 Backplane Connector Shields  
Option 52, Inter-Module Shields (5 each)  
Option 71, 230 VAC Fuse and Power Cord  
Air Flow Blocker  
Blanking Plates

### PART NUMBER

407647  
407670  
407671  
407672  
407673  
407674  
407675  
407676  
456271  
404836

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