



## 1.2 KW VXI Mainframe

- ◆ **Front Removable Power Supply and Fan Tray**
- ◆ **Voltage Monitor**
- ◆ **Temperature Monitor**
- ◆ **1200 Watts of Power**

Racal Instruments™ 1261B-S-2379 is a high power 13-slot VXI C-size chassis. Its high power and cooling capability make this chassis ideal for housing the latest generation of high performance VXIbus instruments.

The chassis is capable of delivering up to 1,200 Watts of power to the VXIbus modules. The power supply and fan tray are easily removable from the front of the chassis, thus reducing the time to replace these items. This makes this mainframe ideal for applications with limited rear access.

In addition the chassis provides both temperature and voltage monitoring. A fault indicator is flagged whenever one of the VXIbus power supply outputs goes out of tolerance or when the intake or exhaust air temperature exceed limits.

# 1261B-S-2379 SPECIFICATIONS

## ELECTRICAL PERFORMANCE

### Input Voltage Range

85 to 264 VAC

### Input Frequency Range

47 to 500 Hz

### Maximum Power Consumption

2,000 Watts

### Maximum Available Power

1,200 Watts\*

### DC Current Capacity

Voltage	Current
+5V	80A
+12V	8A
-12V	8A
+24V	11A
-24V	11A
-5.2V	80A
-2V	3A

\*below 10,000 feet at 45° C

## MONITORING SYSTEM

### Connector

Front panel mounted 9 pin DSub

### Temperature Monitor

Pin 1, 2 open circuit when intake > 45° C or exhaust > 65° C

Pin 1, 2 closed circuit when intake < 45° C or exhaust < 65° C

### Voltage Monitor

A window comparator (with +/- 10% tolerance) on each VXIbus supply rail.

Pin 5, 6 open circuit when tolerance exceeded

Pin 5, 6 closed circuit when in tolerance

## MECHANICAL

### Mainframe Size

VXIbus C-size, 13 slots

### Dimensions

12.22"H x 17.38"W x 23.68"D

### Weight

55 lbs

### Front Panel Power Connector

IEC 320/C14

## COOLING SYSTEM

Forced air circulation with positive pressurization using four 50 CFM fans.

For exhaust temperatures below 30° C the fans run at half speed and above this temperature they run at full speed.

## ENVIRONMENTAL DATA

### Temperature

Operating: 0° C to 50° C

Storage: -40° C to 71° C

### Relative Humidity

95% non-condensing

### Altitude

Operating: 15,000 ft

Non-Operating: 15,000 ft

### Shock

15 g, 11 ms, ½ sine wave

### Vibration

0.013 in (p-p), 5-55 Hz

## RELIABILITY

### MTBF

108,386 hours

(MIL-STD-217E at 25° C)

### MTTR

The following components can be replaced in less than 5 minutes from the front of the chassis:

- Fan tray
- Power supply tray

## ORDERING INFORMATION

### MODEL/DESCRIPTION

Racal Instruments 1261B-S-2379 High Power 13 slot VXIbus Chassis

### PART NUMBER

408038-S-2379

The EADS North America Defense Test and Services policy is one of continuous development, consequently the equipment may vary in detail from the description and specification in this publication.



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