

## **NIM8302P**

### **5U 5 slot 150 W Portable Crate**



## Features



- Low cost compact solution
- 270 mm x 5U, 7 slot (5 free) enclosure
- 7 slot non-ventilated NIM bin (5 free slots)
- Slot linear power supply (150 W)
- Equipped with long-life NIM connectors
- Short circuit protection
- Over / Undervoltage protection
- Over temperature protection

## Description

The CAEN Mod. **NIM8302P** is a portable (5 slot free) non ventilated NIM crate provided with pluggable 150W power supply.  
Safety features include: short circuit protection, Over/Undervoltage protection, Over temperature protection.  
The Unit is powered by 110 or 220 Vac, 50 ÷ 60 Hz. On the front panel the status of power supply is indicated by green/red LED.

## Technical Specifications

### Mechanics

270 mm x 5U, 7 slot (5 free), non ventilated; portable version; weight: 11kg

### Mains input

230 VAC or 115 VAC, 50-60 Hz.

### Maximum Total OutputPower

150 W

### Fuse External

External 2 A, class T (230 VAC)

### Power requirements

280W at full load

### Output power

5 A @  $\pm 6V$  3 A @  $\pm 12 V$  1.5 A @  $\pm 24 V$

### Isolation

CE acc. to EN 61010

### Load Regulation

< 0.5 % for 10-100% load change, < 0.02 % for  $\pm 10\%$  line change

### Ripple

$\pm 6V$  < 5 mVpp  $\pm 12 V$  < 8 mVpp  $\pm 24 V$  < 10 mVpp

### Transient response recovery

0.15 ms for recovery to  $\pm 1\%$  of voltage for 10-100% load change

### Output Impedance

0.6 mohm static

### Output Voltage Characteristic

dual tracking for all  $\pm DC$  outputs Soft start DC output calibration (manually)

### Output Current Characteristic

OVC protection / Trip Off

### Over Voltage Protection

Trip Off when the output voltage > 130% of nominal voltage

### Under Voltage Protection

Trip Off when the output voltage < 70% of nominal voltage

### Over Current Protection

Trip Off when current:  $>6A@+24V$ ,  $>2A@-24V$ ,  $>6A@+12V$ ,  $>3.75A@ 12V$ ,  $> 10A@±6V$

### Over TemperatureProtection

Trip Off when temperature  $> 75^{\circ} C$

### Temperature sensors

nr.1

### Status control

Fail/Status LED signal

### Operation

$0\div45^{\circ}C$  without derating

## Ordering Options

Code	Description	
WNIM8302P150	NIM8302P/15 - NIM Portable crate, 5 slot, 150W ( $\pm 6V$ 5A, $\pm 12V$ 3A, $\pm 24V$ 1,5A)	RoHS

## Related Products

### A83PX



General Purpose 1U Mini Fan Unit

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