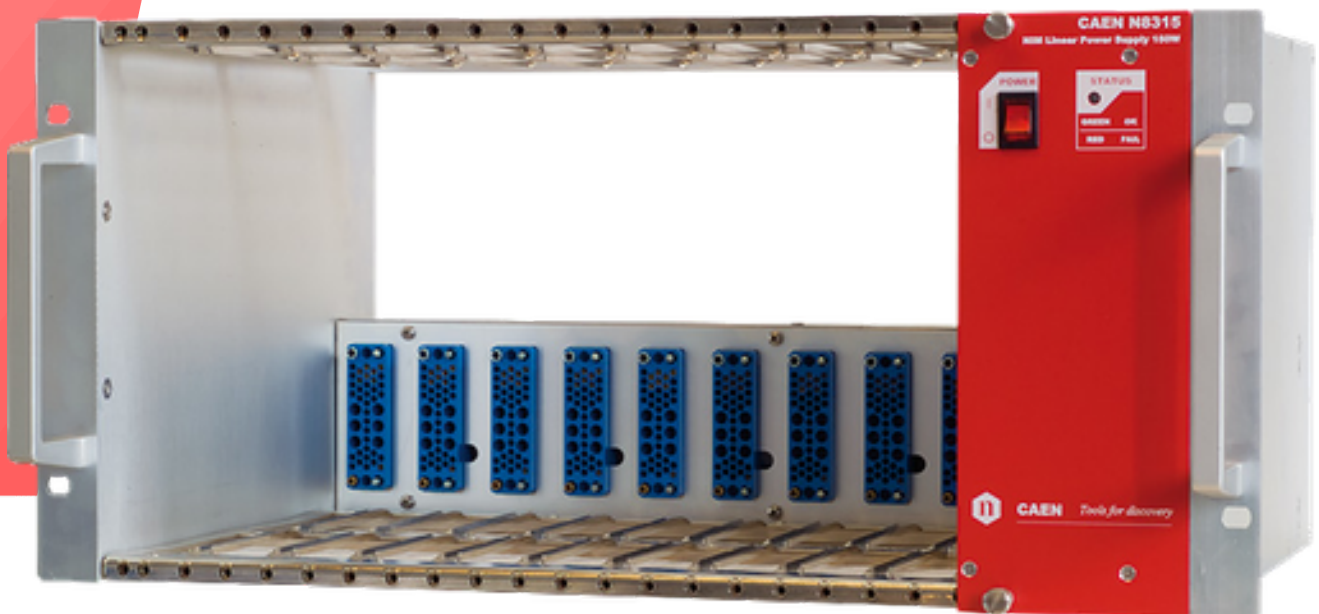
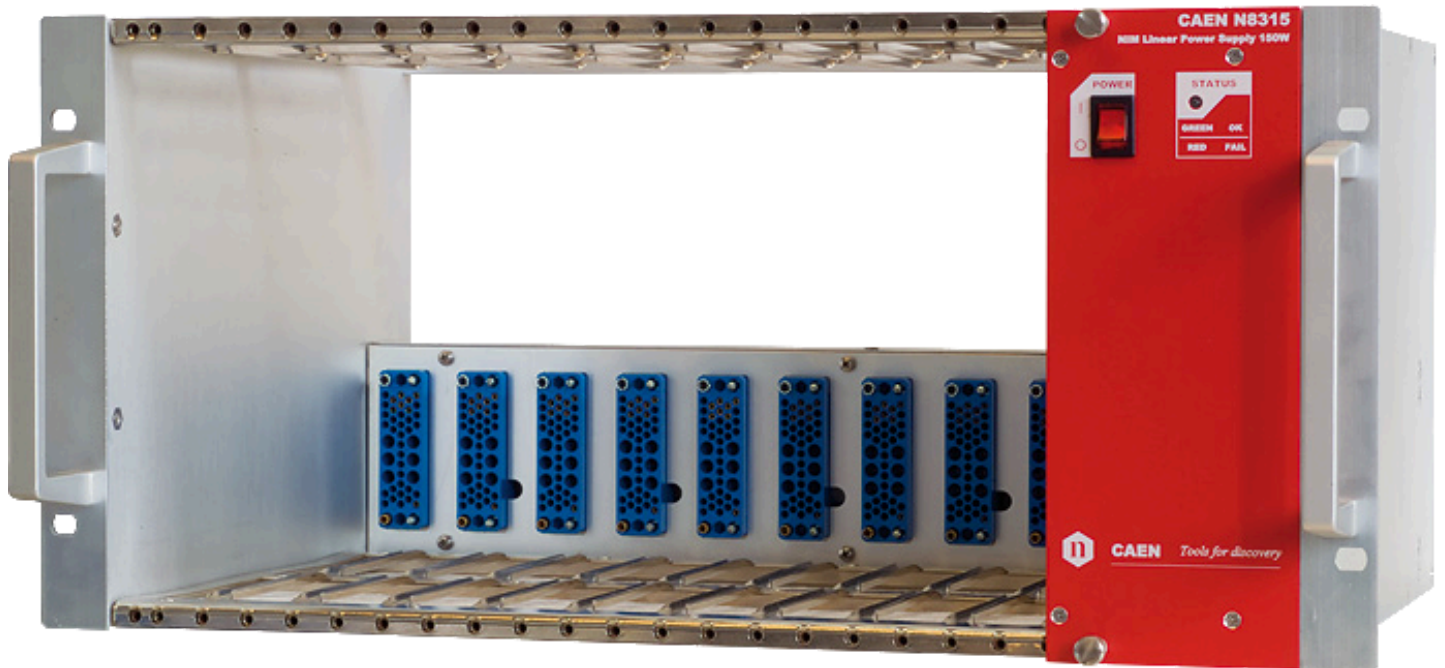


# NIM8302

## 5U 10 slot 150 W Compact Crate



## Features



- Low cost compact solution
- 19" x 5U enclosure
- 12 slot non-ventilated NIM bin (10 free slots)
- Slot linear power supply (150 W)
- Equipped with long-life NIM connectors

- Short-circuit protection

- Over / Undervoltage protection

The CAEN Mod. NIM8302 is a compact (10 slot free) non ventilated 5U NIM crate (19") 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

19" x 5U bin, 12 slot (10 slot free), non ventilated

### Mains input

230 VAC or 115 VAC, 50-60 Hz.

### Maximum Total Output Power

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

- $\pm 6V < 5 \text{ mVpp}$
- $\pm 12 V < 8 \text{ mVpp}$
- $\pm 24 V < 10 \text{ mVpp}$

### Transient response recovery

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

### Output Impedance

0.6 m $\Omega$  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 Temperature Protection

Trip Off when temperature > 75° C

### Temperature sensors

nr.1

### Status control

Fail/Status LED signal

### Operation

0÷45°C without derating

### Storage Temperature

-30 ÷ +80°C

### Storage Humidity

5% ÷ 90% RH non-condensing

## Ordering Options

Code	Description	
WNIM8302150W	NIM8302/15 - NIM 5U Compact crate, 10 slot, 150W ( $\pm 6V$ 5A, $\pm 12V$ 3A, $\pm 24V$ 1,5A)	RoHS

## Related Products

### A83XX



General Purpose 1U Fan Unit

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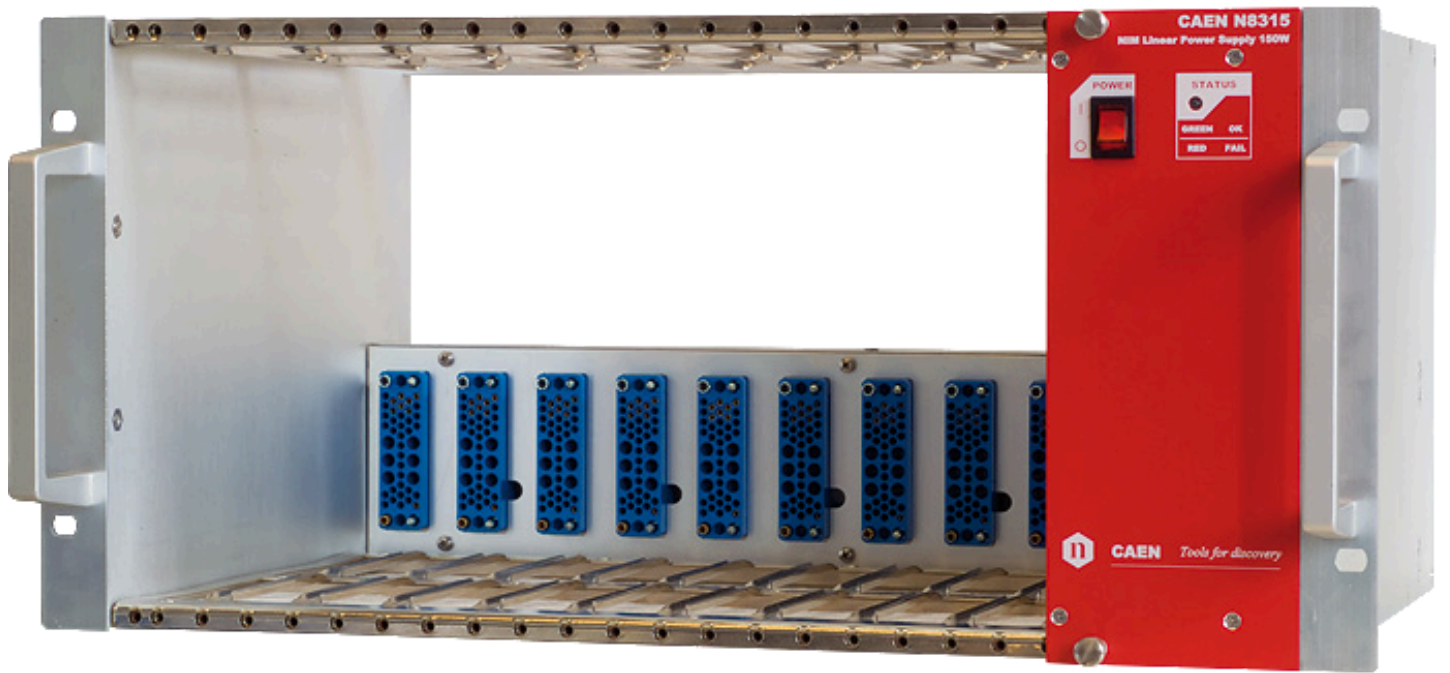
### N8315



NIM Linear Power Supply 150W

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## Gallery



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