

## **I/A Series® Remote Terminal Unit (RTU)**

### **RTU 40 – 60 W Power Supply (ac/dc and dc/dc Modules)**



Three power supply modules are available for each RTU 40 configuration.

All versions have the same very compact casing, 10TE wide and 3MU height, designed for standard CompactPCI computer backplane equipped with Eurorack DIN M-connector.

The modules adopt a 100 kHz switching technology to minimize their mechanical size while maintaining high power output capability (60 W maximum at 50°C.).

All power supply modules have an efficiency greater than 80%, are short-circuit protected and have low ripple/noise levels.

The power supply models are diversified by their nominal input voltages:

- 115 or 230 V ac jumper-selectable
- 24 V dc (operating from 18 to 36 V dc)
- 48 V dc (operating from 36 to 72 V dc).

Three dc outputs are generated: +12 V, +5 V and +3.3 V to supply all electronic modules equipped in the RTU 40.

LEDs on the unit front panel indicate the status of each dc output.

## **SPECIFICATIONS**

### **Input Voltages**

- 115 V ac (99 to 135 V)
- 230 V ac (187 to 235 V)
- 24 V dc (18 to 36 V)
- 48 V dc (36 to 72 V)

### **Input Filter**

Common and differential

### **Input Frequency**

48 to 70 Hz (for ac inputs only)

### **Outputs**

- +12 V  $\pm$  3%, 1 A
- +5 V  $\pm$  1%, 7 A
- +3.3 V  $\pm$  0.5%, 5 A

### **Maximum Power**

60 W at +50°C

### **Efficiency**

80% at maximum load

### **Ripple and Noise**

< 50 mV peak-to-peak  
(20 MHz, 22  $\mu$ F at load)

### **Protection**

Continuous short-circuit protection with auto-recovery

### **Connectors**

DIN standard M-connector

### **Turn-on**

Less than 500 ms

### **Status LEDs**

On +3.3 V, +5 V, +12 V outputs

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