

# CP-01040

## 400W 1U Switching Power Supply

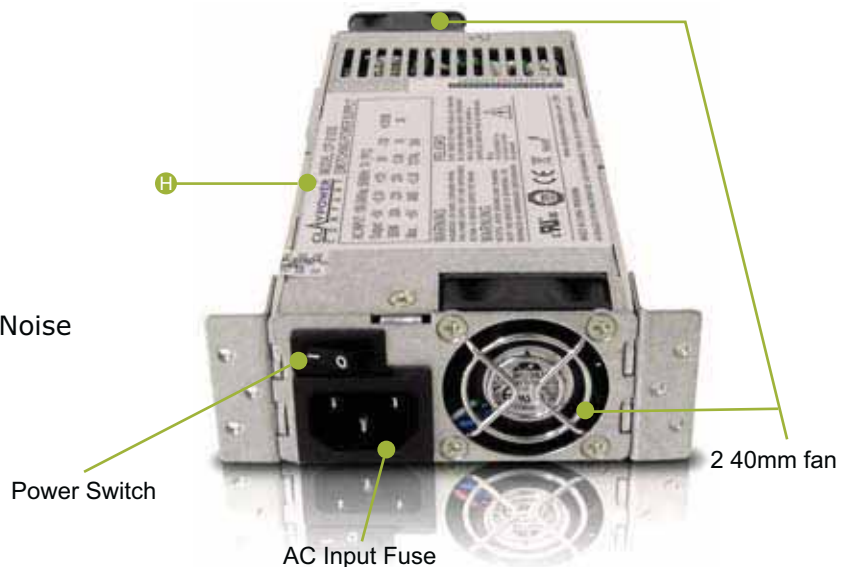


### INTRODUCTION

Introduce the industrial graded CP-01040 series switching power supply. The new design is most compact size in today's 1U PSU market; this high-efficiency power supply features active PFC can automatically adjust to operate on AC power from about 100 V to 240 V, dual 40mm brushless DC fan cooling system, triple circuit protections, full-rated power at 0~50°C. It's perfectly designed for your high-performance 1U rackmount computer, such as DVR, Telecom, Gaming, Super Computing, Blade Server and other mission critical application servers. Welcome OEM/Customization building on this series.

### FEATURES

- Ⓐ Auto Select Power Range
- Ⓑ Over Power Protection
- Ⓒ Over Voltage Protection
- Ⓓ Short Circuits Protection
- Ⓔ 16ms Hold Up Time
- Ⓕ Active PFC (Full Range),  
Meet IEC-100-3-2 Class D
- Ⓖ Optional Quiet Version to Reduce Noise  
Down to 26 dB
- Ⓗ Aluminum U Frame
- Ⓘ RoHS Compliance



### CONNECTORS



4+4 Pin 12V  
Connector



4 Pin Floppy  
Connector



4 Pin Peripheral  
Connector



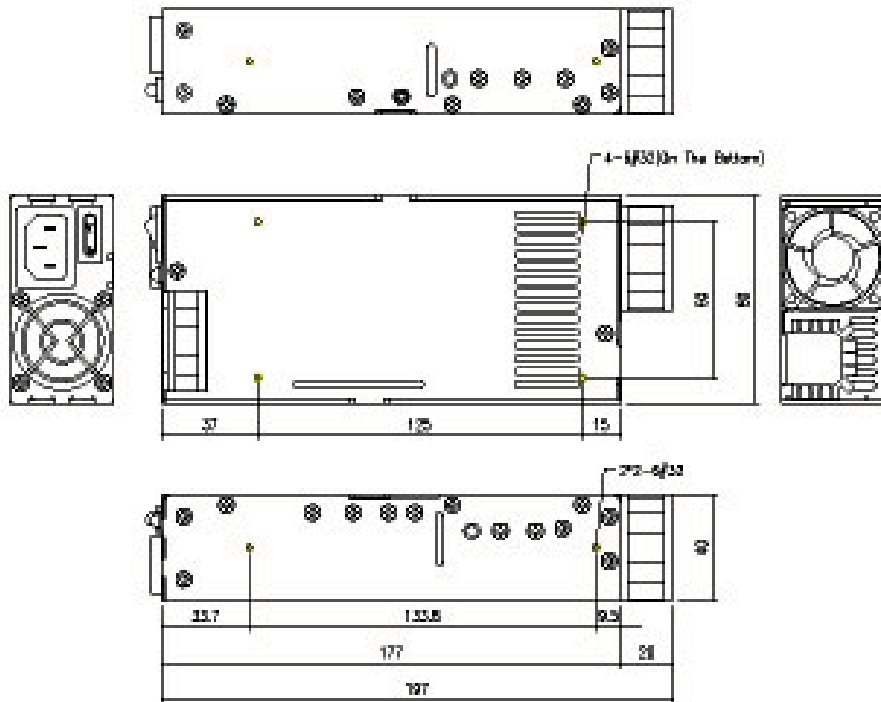
20+4 Pin  
Connector



SATA  
Connector

# CP-01040

## DRAWING



## SPECIFICATION

<b>Model No.</b>	CP-01040
<b>Form Factor</b>	EPS 12V
<b>Unit Size</b>	1U
<b>Input Voltage</b>	90V~264V Auto Select
<b>Input Frequency</b>	47Hz~63Hz

## OUTPUT RATING

<b>Total Watts</b>	400w
<b>+5V</b>	35A
<b>+12V</b>	27A
<b>+3.3V</b>	28A
<b>Max. +5V &amp; +3.3V</b>	38A
<b>Voltage Regulator</b>	± 5%
<b>PFC</b>	Active
<b>Efficiency</b>	68%

:: Operation Temperature: 0°C to 40°C  
 :: Specification and wiring diagram subject to change without notice  
 :: Three year standard warranty  
 :: Last Update: Jan/2011



## COOLING SYSTEM

<b>No. of Fans</b>	40mm x 2
<b>Air Flow CFM</b>	10.7
<b>Noise dBA</b>	35.5

## CONNECTORS

<b>Cable Length</b>	21 in
<b>Main Connector</b>	20+4 Pin
<b>4/8 Pin 12V</b>	1
<b>8 Pin Connector</b>	N/A
<b>4 Pin Molex</b>	5
<b>4 Pin Floppy Connector</b>	1
<b>SATA Connector</b>	2

## DIMENSION

<b>D X W X H (mm)</b>	197 x 80 x 40
<b>Net Weight (lb)</b>	3.1 lb
<b>Safety/EMI/RFI</b>	FCC Part 15 "Class A", CISPR22; VDE VFG 234/1991; UL60950; TUV(En60950, IEC 100003-2-3