

# PA-1300AXP

**AICSYS**  
ADVANCED INDUSTRIAL COMPUTER SYSTEMS



## AC/DC 300W Switching Power Supply with PFC Function and ATX Output



### Features

- Active PFC Function
- Compact size for 1U rackmount chassis
- AC/DC 300W with ATX output
- Input Voltage Range: 100 ~ 240V
- Output Voltage: 5V/3.3V/12V/-5V/-12V/5VSB
- Safety Standard: UL/TUV/CSA/CE/CB
- EMI Standards: FCC Class B/ VCCI Class 2

### Input

- 90~132V / 180~264V (switch selectable)

### Efficiency

- 70% minimum, at full load

### Hold Up Time

- 20ms minimum, at full load

### Remote On/Off

- PSON compatible signal

### Power Good

- TTL signal compatible power good signal. Turn-on delay 100 ~ 500ms

### Cooling

- 40mm Ball bearing fan (40x40x20 mm)

### Output Protection

- Short circuit, overload & over voltage power protection

### MTBF

- 100K hours at 25°C, 70% full rated load (calculated by MIL217E).

### Environment

- Operating Temperature: 0 to 50 °C.
- Operating Humidity: 20% ~ 90% relative humidity, non-condensing at 40°C.

### EMI/RFI

- FCC part 15, Subpart B, Class B computing devices.
- CISPR22 (EN55022) Class B.
- VCCI Class 2

### Safety

- UL, TUV, CB

### Dimension

- 100 (W) x 190 (D) x 40.5 (H) (mm)

### Output Table

Output Voltage	V1 +5V	V2 +3.3V	V3 +12V	V4 -5V	V5 +12V	5VSB
Max Load	30A	20A	12A	0.5A	1A	1.5A
Min Load	3A	0A	1A	0A	0A	0A
Load Regulation	+/-5 %	+5/-3 %	+/-5 %	+/-10 %	+/-10 %	+/-5 %
Cross Regulation	+/-5 %	+5/-3 %	+/-5 %	+/-10 %	+/-10 %	+/-5 %
Line Regulation	+/-1 %	+/-1 %	+/-1 %	+/-1 %	+/-1 %	+/-1 %
Ripple	+/-1 %	+/-1 %	+/-1 %	+/-2 %	+/-2 %	+/-1 %
Noise	+/-1 %	+/-1 %	+/-1 %	+/-2 %	+/-2 %	+/-1 %

Note 1: The output of +5V and +3.3V shall not exceed 150W.

Note 2: The +12V, +5V and +3.3V total output power maximum is 278W.

Note 3: The +12 Volt output of the power supply must be capable of 16 Amps peak for 10 seconds. A +/-5% tolerance is permissible. Output voltage is measured at the load and of the out put cable.

Note 4: Noise bandwidth is from DC to 20 MHz.

Note 5: Regulation tolerance shall include temperature change, warm up drift and dynamic load

### Ordering Information

**PA-1300AXP** AC/DC 300W Power Supply For 1U chassis  
with ATX Output with Active PFC function

