

# PSA-4400AXP

**AICSYS**  
ADVANCED INDUSTRIAL COMPUTER SYSTEMS



AC/DC 400W PS/2 Power  
Supply with PFC Function  
and ATX Output



## Features

- 400W 6 Output, AC Passive PFC Input design
- Meet Intel ATX 2.01, IEC-1000-3-2 CLASS D
- Build in DC remote ON/OFF , PG/PF TTL signal
- Build in thermal fan speed control
- Compiles with FCC Class B, CISPR Pub. 22
- MTBF 100KHRs @ 25°C per MIL- HDBK-217F

## Input

- 115~230VAC Full Range

## Efficiency

- 75% minimum, at full load

## Hold Up Time

- 16ms minimum, at full load

## Remote On/Off

- PSON compatible signal

## Power Good

- TURN-ON delay 100 ~ 500ms

## Cooling

- 80 x 80 x 10 mm active fan

## Output Protection

- Short circuit, overload & over voltage power protection

## MTBF

- 100K hours at 25°C, 75% full rated load (calculated by MIL217E)

## Environment

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

## EMI/RFI

- a) FCC part 15, Subpart A, Class A computing devices
- b) CISPR22 (EN55022) Class A
- c) VCCI Class 2

## Safety

- UL, TUV, CUL, CE, CB

## Dimension

- 140(D) x 150(W) x 86(H) mm

## Output Table

Output Voltage	+5	3.3V	V1 +12V	V2 +12V	-12V	5VSB Standby
Max. Load	28A	30A	14A	15A	0.3A	2A
Min. Load	0.3A	0.2A	1.0A	1.0A	0A	0A
Max. Power	140W					
	400W					
Peak Load		16.0A				2.5A
Regulation	+/-5%	+5%	+/-5%	+/-5%	+/-10%	+/-5%
Ripple Reg. mV	50mv	50mV	100mV	100mV	100mV	50mV
Noise Reg. mV	100mV	100mV	150mV	150mV	150mV	100mV

**Note 1:** The continuous total output power is 400W max

- The combined power of +5V and +3.3V is 140W max
- Peak currents may last up to 17 seconds with not more than one occurrence per minute

**Note 2:** Add 0.1uF and 10uF capacitors across output terminal during ripple & noise test

## Ordering Information

PSA-4400AXP AC/DC 400W+400W ATX PS/2 Type  
PSU

