

PRA-4400AXP

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

AC/DC 400W PS/2 Type Hot
Swap Redundant Power
Supply with PFC Function
and ATX Output



Features

- Short circuit, overload, over voltage protection
- Power System Fault Signal and Audible Alarm
- Input Voltage 90~264V AC Full Range
- Safety Standard: UL/TUV/CUL/CE
- EMI standards: FCC Class A / VCCI Class 2
- Aluminum case for excellent power dissipation

Input

- 90~264V AC Full Range

Efficiency

- 65% 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

- 40 x 40 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 50 °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

Dimension

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

Output Table

Output Voltage	V1 +5	V2 3.3V	V3 +12V	V4 -5V	V5 -12V	5VSB Standby
Max. Load	35A	30A	26A	1A	1A	2A
Min. Load	2A	0.2A	0.5A	0A	0A	0A
Max. Power	175W 400W			2.5W	6W	7.5W
Load Reg. %	+/-5%	+5%	+/-5%	+/-10%	+/-10%	+/-5%
Cross Reg. %	+/-5%	+5%	+/-5%	+/-10%	+/-10%	+/-5%
Line Reg. %	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%	+/-1%
Ripple Reg. mV	50mV	50mV	120mV	100mV	200mV	100mV
Noise Reg. mV	100mV	70mV	150mV	200mV	200mV	100mV

Note1: Noise bandwidth is from DC to 20MHz. Add 0.1uF/10uF Capacitor at output connector terminals for Ripple and Noise measurement.

Note 2: Regulation tolerance shall include temperature change, warm up drift and dynamic load.

Note 3: Combined Total Power from +3.3V and +5V Rails Shall Not Exceed 175W.

Note 4: The Total Output Power Shall Not exceeds 400W.

Ordering Information

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

Hot- Swappable Redundant PSU