

PRA-4300AXP

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS

**AC/DC
300W PS2 Hot
Swap Redundant
ATX Power Supply
with Active PFC**



Features

- Active PFC Function
- Hot Swap Redundant
- Power System Fault Signal and Audible Alarm
- Input Voltage Range: 90~264VAC
- Aluminum case for excellent power dissipation
- Safety Standard: UL/TUV/CSA/CE/CB
- EMI Standards: FCC Class A/ VCCI Class 2

Input

90~264V (Auto-sensing).

Efficiency

70% minimum, at full load.

Hold Up Time

20ms minimum, at full load.

Remote On/Off

PS-ON compatible signal.

Power Good

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

Cooling

Sunon ball bearing fan (40x40x10 mm).

Output Protection

Short circuit, overload & over voltage power protection. Power Fault Warning with front panel status LED and audible alarm.

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 A, Class A computing devices.
- CISPR22 (EN55022) Class A.
- VCCI Class 2.

Safety

UL, TUV, CSA, CE, CB

Dimensions

D178 x W150 x H86 (mm)

Net Weight

TBD

Output Table

Output Voltage	V1 +5V	V2 +3.3V	V3 +12V	V4 -5V	V5 -12V	5VSB Standby
Maximum Load	35A	20A	20A	0.5A	.5A	2A
Minimum 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 175W.

Note 2: The +12V, +5V and +3.3V total output power maximum is 282W.

Note 3: The +12 Volt output of the power supply must be capable of 24 Amps peak for 10 seconds. A +/-5% tolerance is permissible. Output voltage is measured at the load and of the output 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

PRA-4300AXP AC/DC 320W ATX Hot Swap Redundant PS2 Power Supply with PFC Function.

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