

R4S-500G1V2

AICSYS
ADVANCED INDUSTRIAL COMPUTER SYSTEMS



500W Mini-redundant Power supply with ATX output



Feature

- High power efficiency & Low Noise
- SGCC housing
- LED indicators for Power Fault Signal
- Meet safety standard (EN62368)
- RoHS complaint

Input

- 100 ~ 240Vac full range

Efficiency

- Minimum 80% at full load

Hold Up Time

- 16ms min. at full load

Remote On/Off

- PSON compatible signal

Power Good

- TTL compatible signal

Output Protection

- Short circuit
- Over voltage and Under voltage
- Over current protection

Cooling

- 40x40x10mm ball-bearing DC fans

Environment

- Operating temperature: 0~50°C
- Non-operating temp.: -20°C ~70°C
- Humidity: 5% ~ 95% non-condensing
- Non-Operating Humidity: 20%~90% non-condensing

MTBF

- >100,000 hours at 25°C

EMI/RFI

FCC

Safety

- To meet UL, TUV, CB, CE, BSMI, CCC. (Class B)

Gross Weight

- 4.2kg / 9.3 lbs

Dimension (W x D x H)

- 150 x 174 x 86mm

Output Table

Output Voltage	+3.3V	+5V	+12V	-12V	+5VSB
Output Current (max)	25A	25A	41A	0.8A	3.5A
Output Current (min)	1A	1A	1A	0A	0.5A
Ripple/Noise Max	60mV	60mV	120mV	120mV	50mV
Load Regulation	±5%	±5%	±5%	±5%	±5%

1. Noise Test – Ripple & Noise bandwidth is set from DC to 20MHz.
2. Use a 0.1uF ceramic and a 10uF electrolytic capacitors at output connector terminals for ripple and noise measurement.
3. The combined total power from 5V & 3.3V shall not exceed 170W.

Ordering Information

R4S-500G1V2	500W*2 Hot-swap Mini Redundant PSU with active PFC
R4S-400G1V2	400W*2 Hot-swap Mini Redundant PSU with active PFC

*The R4S-400G1V2 for 400W mini-redundant PSU specification is available [here](#)

