

ORION-A4001

400W 1U ATX power supply with active PFC



Specification

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	8A@115V, 4A@230V
Efficiency	> 65%
Holdup Time	16 ms at full load
Over Voltage Protection	+5V:5.7~6.5V; +3.3V:3.9~4.3V; +12V1:13.6~15.0V; +12V2: 13.6~15.0V
Over Power/Load Protection	Output power over 110% ~ 150%
MTBF	128,930 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	Operating: 0 ~ 40°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	106x300x40.5 mm; 4.2"x11.8"x1.6"

FEATURE

- Low profile power supply suitable for 1U and node chassis
- Active PFC, full-range input
- Support for dual Intel Xeon processors
- Total output of +5V and +3.3V is 50A
- Max. +5V standby output is 2A

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DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	35A	28A	14A	0.5A	0.8A	2A
Min. Load	2A	1A	0.5A	0.1A	0.1A	0.1A
Load Reg.	±5%	±5%	±3%	±10%	±10%	±5%
Line Reg.	±1%	±1%	±1%	±1%	±1%	±1%
Ripple	±1.2%	±1.5%	±1%	±3%	±1.25%	±1%
Noise	±1.2%	±1.5%	±1%	±3%	±1.25%	±1%

ORION-A2501

250W 1U ATX power supply with active PFC



Specification

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	6A@115V, 3A@230V
Efficiency	> 65%
Holdup Time	16 ms at full load
Over Voltage Protection	+5V: 5.4 ~ 6.5V; +3.3V: 3.9 ~ 4.4V; +12V: 13.6 ~ 15.6V
Over Power/Load Protection	Output power over 110% ~ 160%
MTBF	105,405 hrs
EMI & Safety Approval	UL, cUL, TUV, CE, FCC
Temperature/Humidity	Operating: 5 ~ 40°C, 20 ~ 90%RH Storage: -20 ~ 60°C, 5 ~ 95%RH
Dimension (WxDxH)	100x190x40.5 mm; 3.93"x7.48"x1.59"

FEATURE

- Low profile power supply, suitable for 1U and node chassis
- Active PFC, full-range input
- Support for Intel® Pentium® 4 processor
- Total output power of +5V, +3.3V and +12V is 234W

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250W 1U ATX power supply with active PFC

DC Output

	+5	+3.3V	+12V	-5V	-12V	+5Vsb
Max. Load	24A	20A	12A	0.5A	0.5A	1.5A
Min. Load	3A	1A	2A	0A	0.05A	0.1A
Max. Watt.	234W	234W	234W	2.5W	6W	7.5W
Load Reg.	±5%	±5%	±8%	±10%	±10%	±5%
Line Reg.	±1%	±1.5%	±0.4%	±1%	±0.4%	±1%
Ripple	±1%	±1.5%	±0.8%	±2.4%	±1.25%	±1%
Noise	±1%	±1.5%	±0.8%	±2.4%	±1.25%	±1%