

FSP300-50AMB



FEATURES

- Meet Intel ATX V3.0
- Meet 80 Plus Bronze
- Certified IEC 62368-1 3rd
- High Reliability
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

SAFETY STANDARD APPROVAL



DESCRIPTION

FSP300-50AMB is an industrial level of switching power supply. This power is designed to meet newest Intel ATX 3.0 standard in ATX form factor. Therefore, it is suitable for applications in "Industrial 4U and Workstation Tower Chassis" equipment.

GENERAL SPECIFICATIONS

Max. Output Power	300W	Environment	
Dimension (L x W x H):	150 x 86 x 140 (mm)	Working temperature:	0°C to 50°C
Hold-up time at 100%	115V / 60Hz: ≥ 13ms 230V / 50Hz: ≥ 13ms	Storage temperature:	-20°C to + 80°C
Efficiency:	80 Plus Bronze	Working humidity:	85% RH non-condensing
MTBF:	≥ 100,000 hours of continuous operation at 25°C, max.-output load	Storage humidity:	95% RH non-condensing
		Applications:	Networking ,Storage System ,IPC Controller

INPUT SPECIFICATIONS

Input voltage:	90-264Vac
Input frequency:	47-63Hz
Input current:	max. 115Vac @ 6A, 230Vac @ 3A

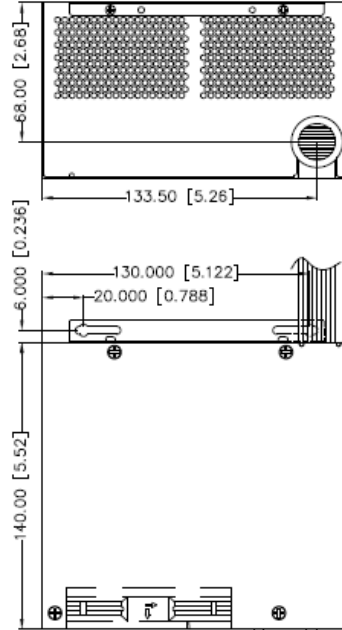
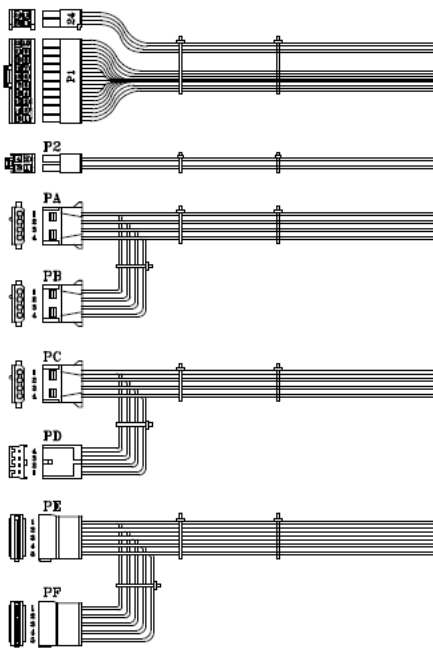
OUTPUT RATING

Outputs	+3.3V	+5V	+12V	-12V	+5V _{sb}
Max.	20.0A	21.0A	25.0A	0.3A	2.5A
Min.	0.0A	0.0A	0.0A	0.0A	0.0A
Regulation	±5%	±5%	±5%	±5%	±5%
Ripple/Noise	50 mV	50 mV	120 mV	120 mV	50 mV

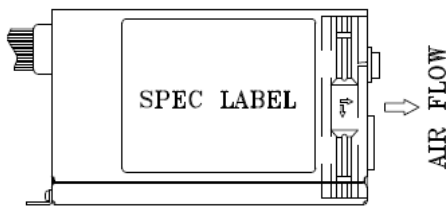
The +3.3V and +5V total output shall not exceed 105W

MECHANICAL SPECIFICATIONS

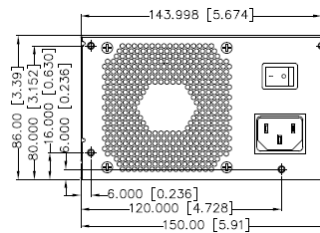
UNIT: mm PN# 9PA300HP01



REF. ID	CP	WIRING	WIRE COLOR	GAUGE	CONNECTOR TYPE	TERMINAL
P1	1	+3.3V	ORANGE	20	WTC	500±15 mm
	2	+5.0V	ORANGE	20	WTC	500±15 mm
	3	COM	BLACK	20	WTC	500±15 mm
	4	+5V	BROWN	20	WTC	500±15 mm
	5	COM	BLACK	20	WTC	500±15 mm
	6	+5V	BROWN	20	WTC	500±15 mm
	7	COM	BLACK	20	WTC	500±15 mm
	8	PS-ON	GRAY	20	WTC	500±15 mm
	9	+5VSB	POWBLK	20	WTC	500±15 mm
	10	+15V	YELLOW	20	WTC	500±15 mm
	11	+15V	YELLOW	20	WTC	500±15 mm
	12	+3.3V	ORANGE	20	WTC	500±15 mm
	13	+3.3V	ORANGE	20	WTC	500±15 mm
	14	+3.3V	BROWN	20	WTC	500±15 mm
	15	-12V	BLACK	20	WTC	500±15 mm
	16	COM	BLACK	20	WTC	500±15 mm
	17	PS-ON	GRAY	20	WTC	500±15 mm
	18	COM	BLACK	20	WTC	500±15 mm
	19	COM	BLACK	20	WTC	500±15 mm
	20	COM	BLACK	20	WTC	500±15 mm
	21	+5V	RED	20	WTC	500±15 mm
	22	+5V	RED	20	WTC	500±15 mm
	23	+5V	RED	20	WTC	500±15 mm
	24	COM	BLACK	20	WTC	500±15 mm
P2	1	COM	BLACK	18	WTC	500±15 mm
	2	COM	BLACK	18	WTC	500±15 mm
	3	+15V	YELLOW	18	WTC	500±15 mm
	4	+15V	YELLOW	18	WTC	500±15 mm
PA	1	+3.3V	ORANGE	20	WTC	500±15 mm
	2	COM	BLACK	20	WTC	500±15 mm
	3	COM	BLACK	20	WTC	500±15 mm
	4	+5V	BROWN	20	WTC	500±15 mm
PB	1	+3.3V	ORANGE	20	WTC	500±15 mm
	2	COM	BLACK	20	WTC	500±15 mm
	3	COM	BLACK	20	WTC	500±15 mm
	4	+5V	BROWN	20	WTC	500±15 mm
PD	1	+5V	BROWN	20	WTC	500±15 mm
	2	COM	BLACK	20	WTC	500±15 mm
	3	COM	BLACK	20	WTC	500±15 mm
	4	+15V	YELLOW	20	WTC	500±15 mm
PE	1	+3.3V	ORANGE	20	WTC	500±15 mm
	2	COM	BLACK	20	WTC	500±15 mm
	3	COM	BLACK	20	WTC	500±15 mm
	4	+5V	BROWN	20	WTC	500±15 mm
PF	1	+3.3V	ORANGE	20	WTC	500±15 mm
	2	COM	BLACK	20	WTC	500±15 mm
	3	COM	BLACK	20	WTC	500±15 mm
	4	+5V	BROWN	20	WTC	500±15 mm



AIR FLOW



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