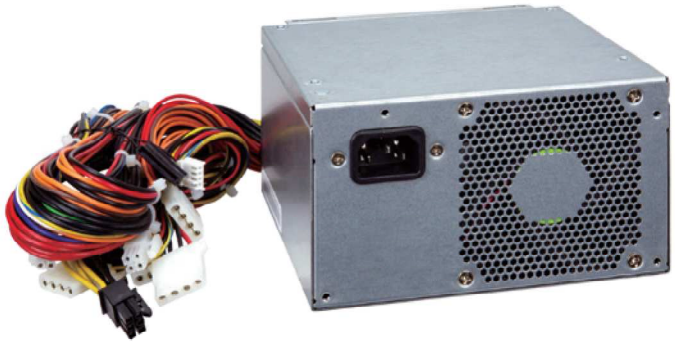
ACE-A130C

300 W PS/2 ATX Power Supply with ErP

300W



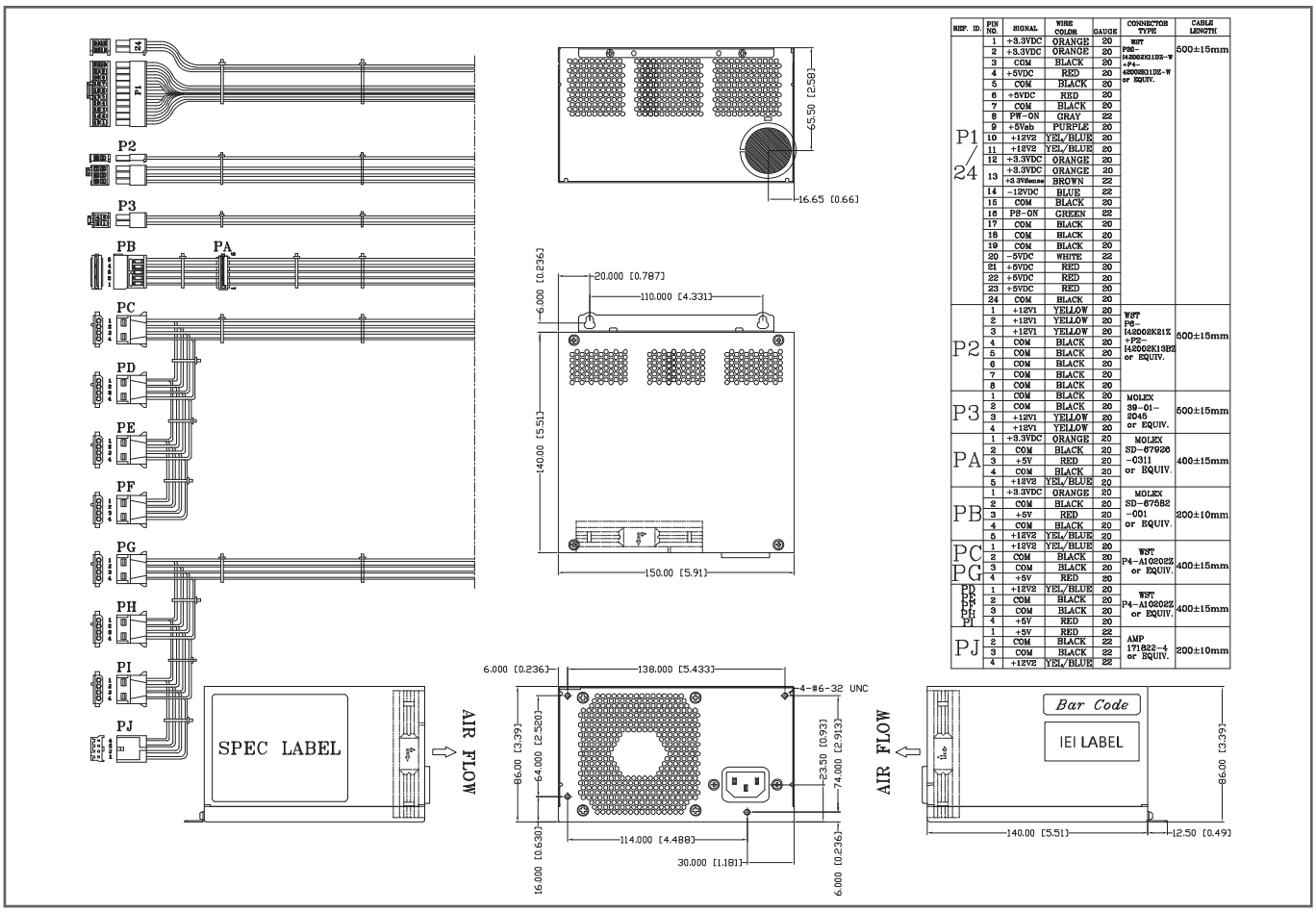
Specifications

Input	**Voltage**	90~264 VAC Full Range		
	Frequency	47 Hz ~ 63 Hz		
	Input Current	4A (RMS)@115VAC, 2A (RMS)@230VAC		
	Inrush Current	80A max. for 115VAC, 160A max. for 230VAC		
Output	**Voltage**	**Min. load**	**Max. load**	**Ripple & Noise**
	+3.3V	0 A	19 A	50mV
	+5V	0.2 A	16 A	50mV
	+12V1	0.05 A	17 A	120mV
	+12V2	0 A	17 A	120mV
	-12V	0 A	0.5A	120mV
	+5VSB	0 A	3 A	50mV
	-5V	0 A	0.1 A	100mV
	Total combined output of +3.3V and +5V is ≤103W			
	Total output for this power supply is 300 watts			
	Over Voltage Protection	+3.3V: 3.76V-4.3V +5V: 5.74V-7.0V +12V1 and +12V2: 13.4V-15.6V		
	Short Circuit Protection	+3.3V, +5V, +12V shutdown and latch off		
General Specifications	**Watt**	300W		
	PFC	Active		
	Hold-up Time	16 ms min.		
	Efficiency	87%		
	MTBF	100,000 hours		
	Temperature	Operating: 0°C ~ 50°C Storage: -40°C ~ 70°C		
	Dimensions (mm)	140 x 150 x 86		
	Output Conntrctor	1 x 20+4-PIN ATX, 1 x 4-pin 12V CPU, 7 x HDD/ CDROM, 1 x Graphics card power, 1 x FDD, 2 x SATA		

Ordering Information

Part No.	Description
ACE-A130C-R10	300W PS/2 ATX Power Supply with ERP&PFC, meets 80 plus (Gold), RoHS

Dimensions *(Unit: mm)*



REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	GAUGE	CONNECTOR TYPE	CABLE LENGTH
P1 / 24	1	+3.3VDC	ORANGE	20	WST P20-1420GRK11D2-W +P4-4200GR11DZ-W or EQUIV.	500±15mm
	2	+3.3VDC	ORANGE	20		
	3	COM	BLACK	20		
	4	+5VDC	RED	20		
	5	COM	BLACK	20		
	6	+5VDC	RED	20		
	7	COM	BLACK	20		
	8	PW-ON	GRAY	22		
	9	+5Vsb	PURPLE	20		
	10	+12V2	YEL/BLUE	20		
	11	+12V2	YEL/BLUE	20		
	12	+3.3VDC	ORANGE	20		
	13	+3.3VDC	ORANGE	20		
		+3.3Vsense	BROWN	22		
	14	-12VDC	BLUE	22		
	15	COM	BLACK	20		
	16	PS-ON	GREEN	22		
	17	COM	BLACK	20		
	18	COM	BLACK	20		
	19	COM	BLACK	20		
	20	-5VDC	WHITE	22		
	21	+5VDC	RED	20		
	22	+5VDC	RED	20		
	23	+5VDC	RED	20		
	24	COM	BLACK	20		
P2	1	+12V1	YELLOW	20	WST P2-1420G2K21Z +P2-1420G2K13B2 or EQUIV.	500±15mm
	2	+12V1	YELLOW	20		
	3	+12V1	YELLOW	20		
	4	COM	BLACK	20		
	5	COM	BLACK	20		
	6	COM	BLACK	20		
	7	COM	BLACK	20		
	8	COM	BLACK	20		
P3	1	COM	BLACK	20	MOLEX 39-01-2045 or EQUIV.	500±15mm
	2	COM	BLACK	20		
	3	+12V1	YELLOW	20		
	4	+12V1	YELLOW	20		
PA	1	+3.3VDC	ORANGE	20	MOLEX SD-67926-0311 or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	+5V	RED	20		
	4	COM	BLACK	20		
	5	+12V2	YEL/BLUE	20		
PB	1	+3.3VDC	ORANGE	20	MOLEX SD-67582-001 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	+5V	RED	20		
	4	COM	BLACK	20		
	5	+12V2	YEL/BLUE	20		
PC / PG	1	+12V2	YEL/BLUE	20	WST P4-A1G20ZZ or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PD / PE / PF / PH / PI	1	+12V2	YEL/BLUE	20	WST P4-A1G20ZZ or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PJ	1	+5V	RED	22	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	22		
	3	COM	BLACK	22		
	4	+12V2	YEL/BLUE	22		

ACE-A130C-S

300 W PS/2 ATX Power Supply with ErP

300W

80 PLUS GOLD
PFC

ErP 5Vsb < 1W Input

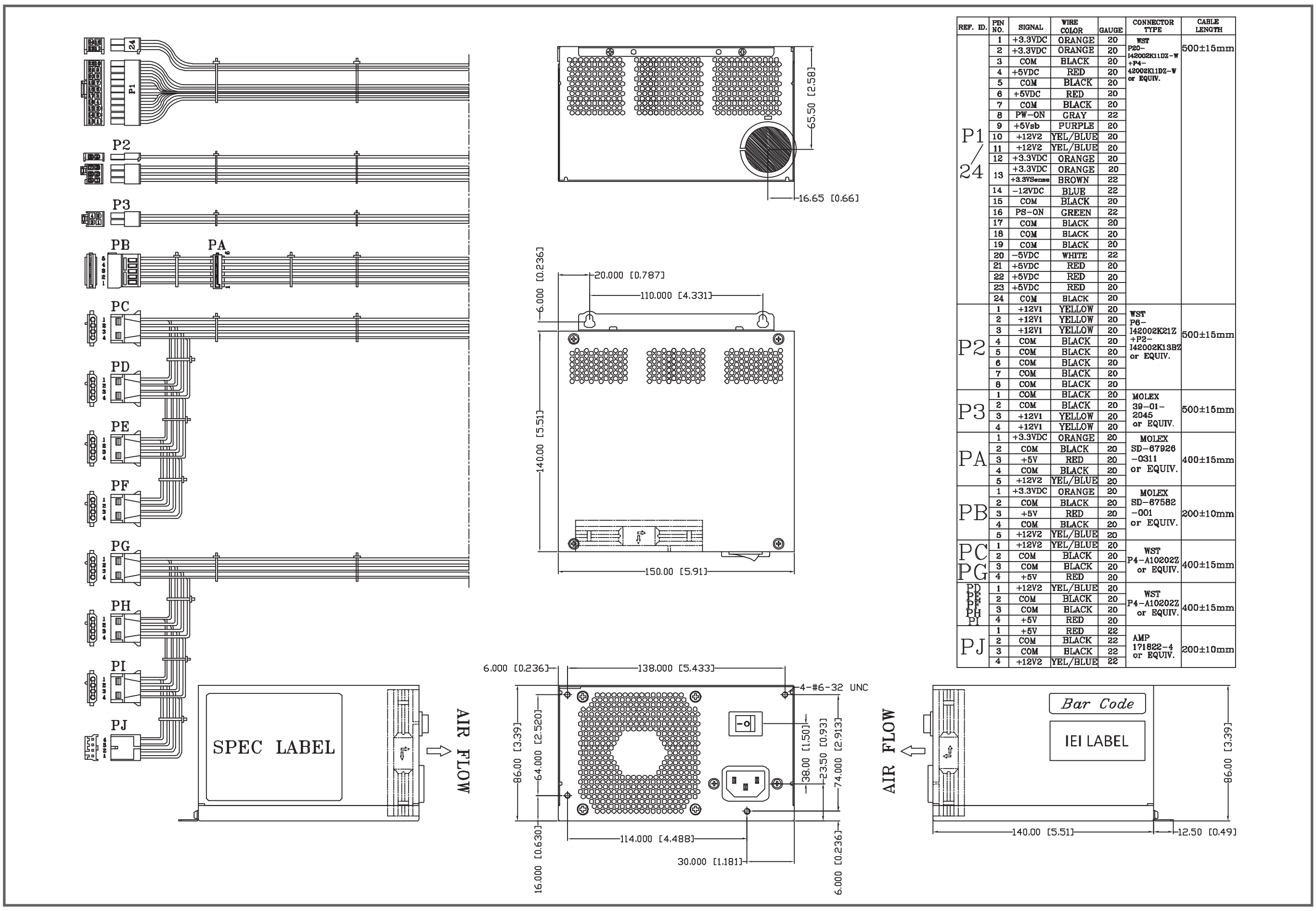
Specifications

Input	**Voltage**	90~264 VAC Full Range			
	Frequency	47 Hz ~ 63 Hz			
	Input Current	4A (RMS)@115VAC, 2A (RMS)@230VAC			
	Inrush Current	80A max. for 115VAC, 160A max. for 230VAC			
Output	**Voltage**	**Min. load**	**Max. load**	**Ripple & Noise**	
	+3.3V	0 A	19 A	50mV	
	+5V	0.2 A	16 A	50mV	
	+12V1	0.05 A	17 A	120mV	
	+12V2	0 A	17 A	120mV	
	-12V	0 A	0.5A	120mV	
	+5VSB	0 A	3 A	50mV	
	-5V	0 A	0.1 A	100mV	
	Total combined output of +3.3V and +5V is ≤103W				
	Total output for this power supply is 300 watts				
	Over Voltage Protection	+3.3V: 3.76V-4.3V +5V: 5.74V-7.0V +12V1 and +12V2: 13.4V-15.6V			
	Short Circuit Protection	+3.3V, +5V, +12V shutdown and latch off			
General Specifications	**Watt**	300W			
	PFC	Active			
	Hold-up Time	16 ms min.			
	Efficiency	87%			
	MTBF	100,000 hours			
	Temperature	Operating: 0°C ~ 50°C Storage: -40°C ~ 70°C			
	Dimensions (mm)	140 x 150 x 86			
	Output Conntrctor	1 x 20+4-PIN ATX, 1 x 4-pin 12V CPU, 7 x HDD/ CDROM, 1 x Graphics card power, 1 x FDD, 2 x SATA			

Ordering Information

Part No.	Description
ACE-A130C-S-R10	300W PS/2 ATX Power Supply with ERP/PFC & on/off switch, meets 80 plus (Gold), RoHS

Dimensions *(Unit: mm)*



REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	GAUGE	CONNECTOR TYPE	CABLE LENGTH
P1/24	1	+3.3VDC	ORANGE	20	WST P20-I42002K11DZ-W +P4-42002K11DZ-W or EQUIV.	500±15mm
	2	+3.3VDC	ORANGE	20		
	3	COM	BLACK	20		
	4	+5VDC	RED	20		
	5	COM	BLACK	20		
	6	+5VDC	RED	20		
	7	COM	BLACK	20		
	8	PW-ON	GRAY	22		
	9	+5Vsb	PURPLE	20		
	10	+12V2	YEL/BLUE	20		
	11	+12V2	YEL/BLUE	20		
	12	+3.3VDC	ORANGE	20		
	13	+3.3VDC	ORANGE	20		
		+3.3VSense	BROWN	22		
	14	-12VDC	BLUE	22		
	15	COM	BLACK	20		
	16	PS-ON	GREEN	22		
	17	COM	BLACK	20		
	18	COM	BLACK	20		
	19	COM	BLACK	20		
	20	-5VDC	WHITE	22		
	21	+5VDC	RED	20		
	22	+5VDC	RED	20		
	23	+5VDC	RED	20		
	24	COM	BLACK	20		
P2	1	+12V1	YELLOW	20	WST P6-I42002K21Z +P2-I42002K13BZ or EQUIV.	500±15mm
	2	+12V1	YELLOW	20		
	3	+12V1	YELLOW	20		
	4	COM	BLACK	20		
	5	COM	BLACK	20		
	6	COM	BLACK	20		
	7	COM	BLACK	20		
	8	COM	BLACK	20		
P3	1	COM	BLACK	20	MOLEX 39-01-2045 or EQUIV.	500±15mm
	2	COM	BLACK	20		
	3	+12V1	YELLOW	20		
	4	+12V1	YELLOW	20		
PA	1	+3.3VDC	ORANGE	20	MOLEX SD-67926 -0311 or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	+5V	RED	20		
	4	COM	BLACK	20		
	5	+12V2	YEL/BLUE	20		
PB	1	+3.3VDC	ORANGE	20	MOLEX SD-67582 -001 or EQUIV.	200±10mm
	2	COM	BLACK	20		
	3	+5V	RED	20		
	4	COM	BLACK	20		
	5	+12V2	YEL/BLUE	20		
PC PG	1	+12V2	YEL/BLUE	20	WST P4-A10202Z or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PD PE PF PH PI	1	+12V2	YEL/BLUE	20	WST P4-A10202Z or EQUIV.	400±15mm
	2	COM	BLACK	20		
	3	COM	BLACK	20		
	4	+5V	RED	20		
PJ	1	+5V	RED	22	AMP 171822-4 or EQUIV.	200±10mm
	2	COM	BLACK	22		
	3	COM	BLACK	22		
	4	+12V2	YEL/BLUE	22		

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