

ACE-A130B

300 W PS/2 ATX Power Supply with ErP



Specifications

Input	Voltage	90~264 VAC Full Range		
	Frequency	47 Hz ~ 63 Hz		
	Input Current	6A (RMS)@115VAC, 3A (RMS)@230VAC		
	Inrush Current	80A max. for 115VAC, 160A max. for 230VAC		
Output	Voltage	Min. load	Max. load	Ripple & Noise
	+3.3V	0.3 A	19 A	50mV
	+5V	0.5 A	16 A	50mV
	+12V1	0.5 A	17 A	120mV
	+12V2	0.5 A	17 A	120mV
	-12V	0A	0.3 A	120mV
	+5VSB	0.1 A	3 A	50mV
-5V	0 A	0.2 A	100mV	
Total combined output of +3.3V and +5V is ≤105W				
Total output for this power supply is 300 watts				
Over Voltage Protection	+3.3V:	3.7V-4.8V		
	+5V:	5.7V-7.0V		
	+12V1 and +12V2:	13.3V-16V		
Short Circuit Protection	+3.3V, +5V, +12V shutdown and latch off			
General Specifications	Watt	300W		
	PFC	Active		
	Hold-up Time	13 ms min.		
	Efficiency	85%		
	MTBF	100,000 hours		
	Temperature	Operating: -5°C ~ 50°C Storage: -40°C ~ 70°C		
	Dimensions (mm)	140 x 150 x 86		
	Output Connector	1 x 20+4-PIN ATX, 1 x 4-pin 12V CPU, 6 x HDD/CDROM, 1 x FDD, 1 x Extra +5V (P10), 2 x SATA		

Ordering Information

Part No.	Description
ACE-A130B-R10	300W AC-DC PS/2 ATX Power Supply with ErP/PFC, meets 80 PLUS (Bronze)
ACE-A130B-S-R10	300W AC-DC PS/2 ATX Power Supply with ErP/PFC & on/off switch, meets 80 PLUS (Bronze)

Dimensions (Unit: mm)

REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	CABLE LENGTH
P1 24	1	+3.3VDC	ORANGE	500±15mm
	2	+3.3VDC	ORANGE	
	3	COM	BLACK	
	4	+5VDC	RED	
	5	COM	BLACK	
	6	+5VDC	RED	
	7	COM	BLACK	
	8	PW-OK	GRAY	
	9	+5Vsb	PURPLE	
	10	+12V2	YELLOW	
	11	+12V2	YELLOW	
	12	+3.3VDC	ORANGE	
	13	+3.3VDC	ORANGE	
	14	-12VDC	BLUE	
	15	COM	BLACK	
	16	PS-ON	GREEN	
	17	COM	BLACK	
	18	COM	BLACK	
	19	COM	BLACK	
	20	-5VDC	WHITE	
	21	+5VDC	RED	
	22	+5VDC	RED	
	23	+5VDC	RED	
	24	COM	BLACK	
P2	1	COM	BLACK	500±15mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+3.3VDC	ORANGE	
	5	+3.3VDC	ORANGE	
	6	+5VDC	RED	
P3	1	COM	BLACK	500±15mm
	2	COM	BLACK	
	3	+12V1	YEL/BLACK	
	4	+12V1	YEL/BLACK	
PA	1	+3.3VDC	ORANGE	400±15mm
	2	COM	BLACK	
	3	+5V	RED	
	4	COM	BLACK	
	5	+12V1	YEL/BLACK	
PB	1	+3.3VDC	ORANGE	200±10mm
	2	COM	BLACK	
	3	+5V	RED	
PC	1	+12V1	YEL/BLACK	400±15mm
	2	+12V2	YELLOW	
	3	COM	BLACK	
	4	COM	BLACK	
	5	+5V	RED	
PD	1	+12V2	YELLOW	200±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PJ	1	+5V	RED	200±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+12V2	YELLOW	

Technical drawings include:

- Top view: Dimensions 16.5, 86.0, 110.0±0.1, 20.0.
- Side view: Dimensions 140.0±0.5, 150.0±0.5.
- Front view: Dimensions 8.0±0.2, 138.0±0.1, 4-No.#6-32UNC, 86.0±0.5, 64.0±0.1, 114.0±0.1, 74.0±0.1, 6.0.
- Connector layouts: P1 (24-pin ATX), P2 (4-pin CPU), P3 (6-pin HDD), PA (4-pin FDD), PB (4-pin SATA), PC (4-pin SATA), PD (4-pin SATA), PE (4-pin SATA), PH (4-pin SATA), PI (4-pin SATA), PJ (4-pin SATA).
- Bottom view: Dimensions 8.0±0.2, 114.0±0.1, 6.0, 140.0±0.5, 12.50, 86.0±0.5.