

ACE-A130B

300W PS/2 ATX Power Supply with ErP



New



Meet 80 PLUS (BRONZE)

ErP
5Vsb < 1W Input

PFC

CB

UL US

CE

FC

CCC

SAFARI CERTIFIED TYPE APPROVED

Ordering Information

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

Specifications

Input	Voltage	90~264 VAC Full Range		
	Frequency	47~63Hz		
	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	0.3A	19.0A	50mV
	+5V	0.5A	16.0A	50mV
	+12V1	0.5A	17.0A	120mV
	+12V2	0.5A	17.0A	120mV
	-12V	0A	0.3A	120mV
	+5VSB	0.1A	3A	50mV
	-5V	0A	0.2A	100mV
Total combined output of +3.3V and +5V is ≤105W				
Total output for this subject 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	100000 hours		
	Temperature	Operating: -5°C ~ 50°C Storage: -40°C ~ 70°C		
	Dimensions	140 x 150 x 86 (mm)		
	Output connector	20PIN ATX x1, 4PIN 12V CPU x1, HDD/CD ROM x6, FDD x1, Extra +5V(P10) x1, SATA x2		

Dimensions

REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	CABLE LENGTH
P1	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	+12V1	YELLOW	
	11	+3.3VDC	ORANGE	
	12	+3.3V sense	BROWN	
	13	-12VDC	BLUE	
	14	COM	BLACK	
	15	PS-ON	GREEN	
	16	COM	BLACK	
	17	COM	BLACK	
18				
P2	1	+5VDC	RED	500±15mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+3.3VDC	ORANGE	
P3	1	COM	BLACK	500±15mm
	2	COM	BLACK	
	3	+12V2	YEL/BLACK	
	4	+12V2	YEL/BLACK	

REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	CABLE LENGTH
PA	1	+3.3VDC	ORANGE	400±15mm
	2	COM	BLACK	
	3	+5V	RED	
	4	COM	BLACK	
	5	+12V2	YEL/BLACK	
PB	1	+3.3VDC	ORANGE	200±10mm
	2	COM	BLACK	
	3	+5V	RED	
	4	COM	BLACK	
	5	+12V2	YEL/BLACK	
PC	1	+12V1	YELLOW	400±15mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PD	1	+12V1	YELLOW	200±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PE	1	+5V	RED	200±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+12V1	YELLOW	

Dimensions shown in drawings:
 - Top view: 140.0±0.5 mm (width), 150.0±0.5 mm (depth)
 - Side view: 86.0±0.5 mm (height)
 - Front view: 114.0±0.1 mm (width), 68.0 mm (height), 11.00 mm (thickness)
 - Pin spacing: 2.0 mm, 6.0±0.2 mm, 110.0±0.1 mm, 138.0±0.1 mm, 74.0±0.1 mm, 6.0 mm