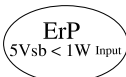


# ACE-A225A

1U 250 Watts ATX Power Supply with ErP



## Ordering Information

Part No.	Description
ACE-A225A-R10	250W AC-DC 1U ATX Power Supply with ErP, Meet 80 PLUS (Bronze)

## Specifications

Input	Voltage	90~264 VAC Full Range		
	Frequency	47~63Hz		
	Input Current	4A (RMS)@115VAC, 2A (RMS)@230VAC		
	Inrush Current	50A max for 115VAC 100A max for 230VAC		
Output	Voltage	Min. load	Max. load	Ripple & Noise
	+3.3V	0.3A	14.0A	50mV
	+5V	0.3A	16.0A	50mV
	+12V1	0.5A	16.0A	120mV
	+12V2	0.5A	16.0A	120mV
	-12V	0A	0.5A	120mV
	+5VSB	0A	3.0A	50mV
	-5V	0A	0.3A	100mV
	The +3.3V and +5V total output shall not exceed 110 watts. Total output for this subject power supply is 250 watts.			
General Specifications	Over Voltage Protection	+3.3V: 3.5V-4.8V +5V: 5.5V-7V +12V1 ~ +12V2: 13.4V-16V		
	Short Circuit Protection	+3.3V, +5V, +12V shutdown and latch off		
	Watt	250W		
	PFC	Active		
	Hold-up Time	17 ms Min.		
	Efficiency	85%		
	MTBF	100000 hours		
Temperature	Operating: -5°C ~ 50°C Storage: -20°C ~ 80°C			
Dimensions	100 x 190 x 40 (mm)			
Output Connector	20+4-pin ATX, 4-pin 12V, 4 x HDD, 2 x SATA, 1 x FDD			

## 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	+3.3V sense	BROWN	
	15	-12VDC	BLUE	
	16	PS-ON	GREEN	
	17	COM	BLACK	
	18	COM	BLACK	
	19	COM	BLACK	
	20	-5V	WHITE	
	21	+5VDC	RED	
	22	+5VDC	RED	
	23	+5VDC	RED	
	24	COM	BLACK	
P2	1	COM	BLACK	500±15mm
	2	COM	BLACK	
	3	+12V1	YELLOW/BLACK	
	4	+12V1	YELLOW/BLACK	

REF. ID.	PIN NO.	SIGNAL	WIRE COLOR	CABLE LENGTH
PA	1	+12V2	YELLOW	500±15mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PB	1	+12V2	YELLOW	200±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PD	1	+12V2	YELLOW	200±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PC	1	+12V2	YELLOW	300±15mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+5V	RED	
PE	1	+5V	RED	200±10mm
	2	COM	BLACK	
	3	COM	BLACK	
	4	+12V2	YELLOW	
PF	1	+3.3VDC	ORANGE	500±15mm
	2	COM	BLACK	
	3	+5V	RED	
	4	COM	BLACK	
	5	+12V1	YELLOW/BLACK	
PG	1	+3.3VDC	ORANGE	500±15mm
	2	COM	BLACK	
	3	+5V	RED	
	4	COM	BLACK	
	5	+12V1	YELLOW/BLACK	