



Naskon

Power Conversion products





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Naskon ATX 16250 Power Adaptors:

NaskonSoft's ATX16250 Power Supply is designed to provide all the power requirements of ATX compliant PC's. It meets low ripple and noise for powering telecom equipments. These are highly reliable, cost effective, efficient and compact in size. These chargers are designed to operate with wider AC Input range (90-300VAC), to withstand universal power conditions.

Features:

- ✓ Compact size and highly reliable.
- ✓ Robust design
- ✓ SMPS based design
- ✓ Mounting: Desktop PC Mountable

Protections:

- ✓ Output Overload Protection : During over load, output folds back and resumes to normal operation after the removal of over load.
- ✓ Short Circuit Protection : During short circuit at output, the power supply protests and resumes normal operation on removal of short circuit.
- ✓ Over temperature Protection : In case of over temperature the power supply shuts down and resumes to normal when the temperature reduces.

Technical Specifications

PARAMETER		NK ATX 16250	RANGE	MULTI-OUTPUTS / NOTES
INPUT	Operating Input Voltage	230 Vac	180-260 Vac	-
	Maximum Input Current	3.1 A	-	100% Load at Nom. Vin
	Operating Frequency	50 Hz	47-63 Hz	-
OUTPUT	Voltage and Regulation	5 V	4.6-5.4 V	+5V
		3.3 V	3.04-3.56 V	+3.3V
		12 V	11.04-12.96 V	+12V
		-12 V	-10.8 to -13.2 V	-12V
		5 V	4.6-5.4 V	+5Vsb
	Operating Output Current	0.1-18 A	-	+5V
		0.2-17 A	-	+3.3V
		0.6-16 A	-	+12V
		0-0.6 A	-	-12V
		0-2 A	-	+5Vsb
	Ripple and Noise (Measured with 22µF/25V electrolytic cap and 100nF disc on each output)	Max: 250 mV	-	+5V
		Max: 250 mV	-	+3.3V
		Max: 300 mV	-	+12V
		Max: 300 mV	-	-12V
		Max: 250 mV	-	+5Vsb
	Output power	Max: 110 W	-	Combined output of 3.3V and 5V
		Max: 225 W	-	Total continuous power from all outputs
		Max: 250 W	-	Total peak power from all outputs
	Hold up time	12 ms	-	At full load
PROTECTION	Over Power	Max: 280 W	-	Shut Down and Latch off
	Over Voltage (Latch Type)	6.3 V	5.74-7 V	+5V
		4.2 V	3.76-4.3V	+3.3V
		15 V	13.4-15.6 V	+12V
	Under Voltage (Latch Type)	4.3 V	4-4.5 V	+5V
		1.7 V	1.52-1.8 V	+3.3V
		10.1 V	9.4-10.4 V	+12V
	Short Circuit	Latch Type shutdown for +5V, +3.3V and +12V. For +5Vsb automatic recovery.		
	Input AC Brown out	162 VAC	-	SMPS shuts down at low input voltage
		170 VAC	-	SMPS automatically recovers at input

CONTACT:

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Technical Specifications

PARAMETER		NK ATX 16250	RANGE	MULTI-OUTPUTS / NOTES
ENVIRONMENT	Operating Temperature	-	0-40 °C	-
	Storage Temperature	-	-20 to 70 °C	-
	Operating Humidity	-	5-85 %RH	Non condensing
	Cooling	-	-	Fan 80mm, Active Speed Control Circuit
EFFICIENCY	100% Load	80%	-	At input of 230Vac and 50Hz
ISOLATION	Shorted Line and Neutral to Earth	1.5k VAC	-	-
OUTPUT CONNECTORS	Main Power	1	-	20 + 4 Pin
	+12V Power	1	-	4 Pin
	Peripheral	2	-	4 Pin
	Serial ATA	2	-	5 Pin
	Floppy Drive	1	-	4 Pin
Safety, EMI & EMC	Safety	Designed to meet IEC 60950	-	-
	EMI / EMC	CISPR22/IEC61000	-	-
GENERAL	Dimensions	145 X 150 X 85 mm	-	-
	Weight	600 grams	-	-

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