



Universal Notebook Adapter

Ultra Small Adapter 90W



MODEL SELECTION

Part Number	PFC	Input Voltage
AD9009	Active PFC	100~240Vac

FEATURES

- Sized as a name card
- 7 tips included to comply with Acer, Asus, Clevo, Compaq, Dell, Fujitsu, Gateway, Hitachi, HP, IBM, Lenovo, NEC, Panasonic, Samsung, Sharp, Sony, Toshiba ... notebooks
- Active PFC & high efficiency design reduce energy waste
- 35°C real wattage; efficiency 94%
- OTP, OCP, OVP, SCP
- Approved with 10 safety certificates
- Quality assurance by world's top notebook brands/makers

INPUT SPEC.

Input Voltage Range	90~264Vac
Input Frequency Range	47~63Hz
Input Current	1.1A@100V & max. load
Inrush Current	<150A max. @240Vac input
No Load Power Consumption	0.5W@115~240Vac input
Efficiency	94% @ full load

OUTPUT SPEC.

Output	Load Range		Regulation (V)	Rated Power
	Min.	Max.		
19.5V	0A	4.74A	18.5V ~ 20.5V	90W

Ripple Noise	Spike noise $\leq 300\text{mVp-p}$
Hold-up Time	3 ms min.@115Vac & 230Vac input, full load
Turn-on Delay	3 sec. max.@115Vac & 230Vac full load

GENERAL SPEC.

OVP	OVP trip and latch at 26V max.
SCP	It shall not result in a fire hazard, shock hazard, or damage to the power unit
OTP	No Damage and shutdown
OCP	7A max for 19.5Vdc, latch off mode
Leakage Current	100uA max. at 254Vac 50Hz resistor load
RFI / EMI	FCC Class B, CISPR22 Class B
MTBF	100Khrs min at 25°C at full load
Weight	160g
Dimensions	63*88*16.5mm

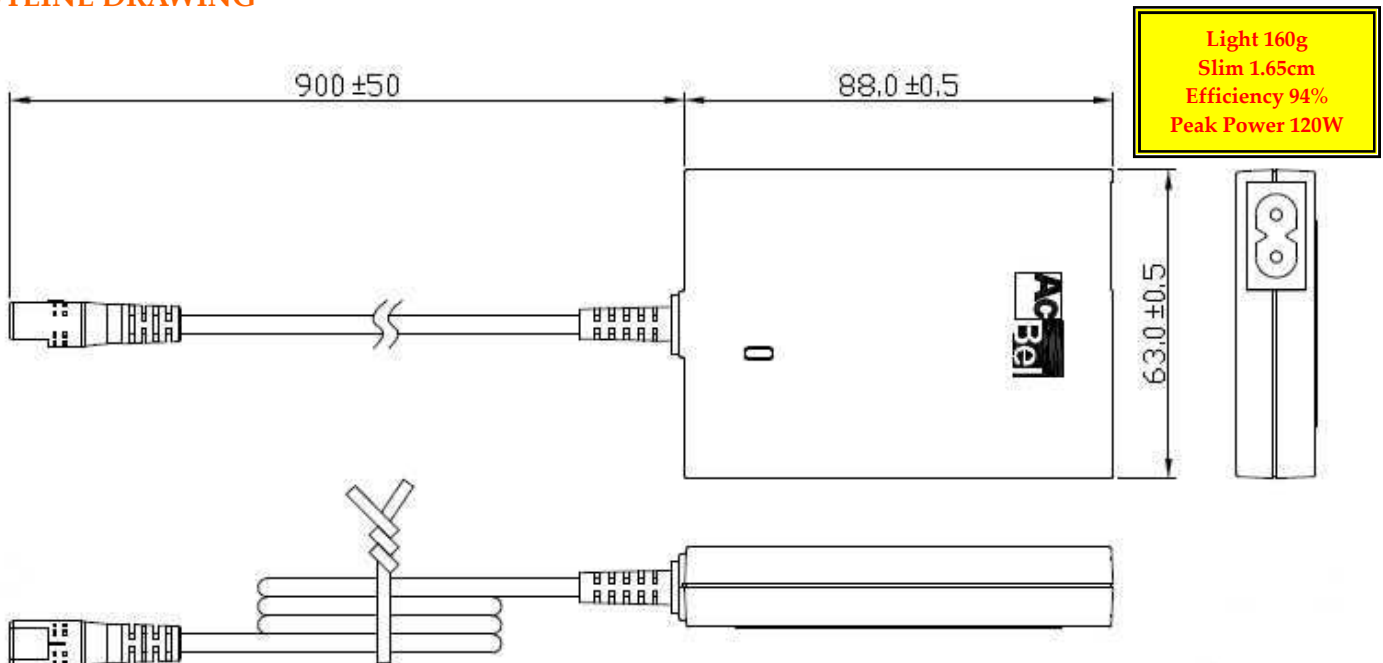
ENVIRONMENTAL SPEC.

Operating Temperature	0 ~ 35°C
Storage Temperature	-20 ~ 65°C

SAFETY

CB, UL, FCC, CE, TUV, RCM, BSMI, PSE, VCCI, CCC, PSB

OUTLINE DRAWING



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- Specifications are subject to change without prior notice
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