

IPC series

MODEL NUMBER

| Part Number | PFC | P/out | P/peak | 80plus | Vin |
|--------------|-------|--------|--------|--------|------------|
| MN-P450-4080 | A/PFC | 450.0W | 500.0W | 82+ | 100-240Vac |

FEATURES

- Dual Forward Converter design architecture
- Active PFC, power factor value ≥ 0.96
- conform to intel 2013 new standard
- Support Intel Core i5 & i7 series CPU
- Support AMD Athlon 64x4 CPU
- Multiple protection, OVP/UVP/SCP/OCP/OPP
- 90~264Vac wider AC input range to cope with voltage instability
- Meet Eup 2013
- $\geq 85\%$ high efficiency 50%loads
- Super Low Ripple & Noise
- Intelligent Fan Control
- High Quality capacitors



CASE:190*81.5*40.5

GENERAL SPEC.

Hold-up Time: 17ms at 115Vac/60Hz or 230Vac/50Hz

Dimensions: 190*81.5*40.5(mm) 4CM FAN

High reliability MTBF : $\geq 100,000$ at 25 degree celsius

Output Rise Time: 0.1~20mS

ENVIRONMENTAL SPEC.

Operating Temperature: 0~50°C

Storage Temperature : -20~70°C

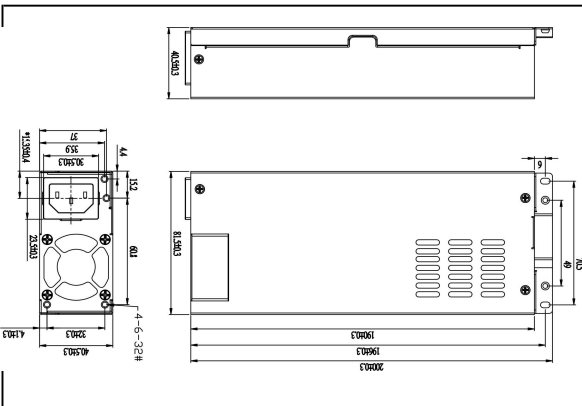
OUTPUT CURRENT CAPACITY

| Voltage | +5V | +3.3V | +12V | -12V | +5Vs |
|----------------|-----------|-----------|-----------|------------|-----------|
| Regulation | $\pm 5\%$ | $\pm 5\%$ | $\pm 5\%$ | $\pm 10\%$ | $\pm 5\%$ |
| Min Load | 0.00A | 0.00A | 0.50A | 0.00A | 0.10A |
| Max Load | 18.00A | 18.00A | 33.00A | 0.50A | 3.00A |
| Peak Load | 20.70A | 20.70A | 38.00A | --- | --- |
| Ripple & Noise | 50mv | 50mv | 120mv | 120mv | 50mv |
| Combined | 120.0W | | 396.0W | 3.6W | 10.0W |

SAFETY: CB, CE, CCC, BSMI, UL/CUL



OUTLINE DRAWING.



INPUT SPEC.

Input Voltage Range: 100~264Vac

Input Frequency Range: 47~63Hz

Input Current: 8A MAX at 90Vac

Leakage Current: 3.5mA at 264V

PFC (Harmonic): Meet IEC6100-3-2 Class D

EMI/RFI: CISPR 22 Class B

OUTPUT SPEC.

Rated Output Power: 450.0W

Peak Output Power: 500.0W

Efficiency: 82%+@20%, 85%+@50%, 82%+@100% loads

OVP: +12V:15.5V,+5V:6.5V,+3.3V:4.3V

UVP: +12V:9.5V,+5V:3.7V,+3.3V:2.4V

OCP: +12V/39A,+3.3V/24A,+5V/24A

OPP: 540.00W ~~~~ 675.00W

SCP: Latch Off All Main Outputs Reset by

Cycling On/Off Control or Ac Power

CABLING CONNECTOR



ATX20+4PIN 1PCS



HDD 4PIN 3PCS



ATX12V 4 PIN 1PCS



SATA 5PIN 4PCS

PCI-E 6PIN 0PCS

FDD 4PIN 0PCS