

■ MODEL NUMBER

Part Number	PFC	P/out	P/peak	80plus	Vin
MN-P300-2016	A/PFC	300.0W	380.0W	85+	100-240Vac

■ FEATURES

- Dual Forward Converter design architecture
- Active PFC, power factor value  $\geq 0.96$
- 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
- Dual Rails +12V Output
- Super Low Ripple & Noise
- Intelligent Fan Control
- High Quality capacitors



CASE:150\*140\*86

■ GENERAL SPEC.

Hold-up Time: 17mS at 115Vac/60Hz or 230Vac/50Hz  
 Dimensions: 150\*140\*86(mm) 12CM FAN(CASE color can choose)  
 High reliability MTBF :  $\geq 100,000$  at 25 degree celsius  
 Output Rise Time: 0.1~20mS

■ ENVIRONMENTAL SPEC.

Operating Temperature: 0~45°C  
 Storage Temperature : -20~70°C

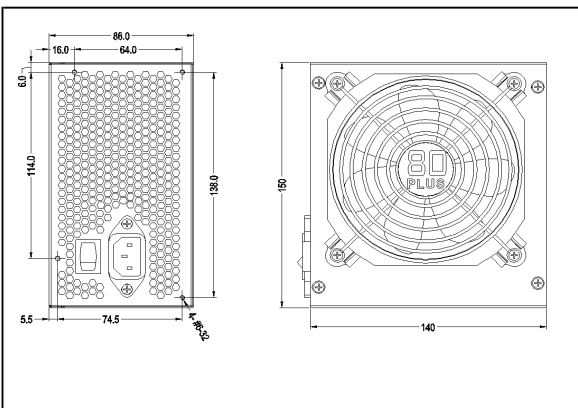
■ OUTPUT CURRENT CAPACITY

Voltage	+5V	+3.3V	+12V1	+12V2	-12V	+5Vs
Regulation	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$	$\pm 10\%$	$\pm 5\%$
Min Load	0.20A	0.50A	0.50A	0.05A	0.00A	0.10A
Max Load	15.00A	18.00A	18.00A	18.00A	0.50A	3.00A
Peak Load	19.50A	23.40A	23.40A	23.40A	---	---
Ripple & Noise	50mv	50mv	100mv	100mv	150mv	50mv
Combined	108.0W		240.0W		6.0W	15.0W

■ SAFETY: CB, CE, CCC, BSMI.



■ OUTLINE DRAWING.









■ INPUT SPEC.

Input Voltage Range: 90~264Vac  
 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: 300.0W  
 Peak Output Power: 380.0W  
 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: +12V1/27A,+12V2/27A,+3.3V/27A,+5V/23A  
 OPP: 405.00W ~~~~ 450.00W  
 SCP: Latch Off All Main Outputs Reset by  
 Cycling On/Off Control or Ac Power

■ CABLING CONNECTOR

	<b>ATX20+4PIN</b>	1PCS		<b>HDD 4PIN</b>	3PCS
	<b>ATX12V 4</b>	1PCS		<b>SATA 5PIN</b>	4PCS
	<b>PCI-E 6PIN</b>	1PCS		<b>FDD 4PIN</b>	1PCS