

## Semi-fanless Modular 80 PLUS Bronze Certified Power Supply



The MasterWatt is an 80 Plus Bronze Power supply with an innovative semi-fanless mode. Under 15% load, the MasterWatt fan remains idle, offering zero dBA. When demand for power increases, a gradual fan curve provides measured cooling with little to no noise at any output level. Dual forward / DC-to-DC topology are employed to keep the voltage stable in all conditions. For increased performance, MasterWatt is equipped with 16 AWG power cables, which reduce resistance thereby increasing efficiency.

### Features

**Semi-Fanless up till 15% load** - Experience noise-free operation in normal PC loads under 15% output.

**Dual Forward and DC-to-DC circuit design** - The Dual Forward and DC-to-DC circuit design offers reliability and stability especially significant in +3.3V and +5V output.

**5 years warranty** - The MasterWatt comes with a 5 year warranty.

**More Conductive PCI-e Cables** - The MasterWatt uses 16AWG cables for PCI-e cables. It reduces the cable temperature and improves the efficiency.

**80 PLUS Bronze Certified** - The 80 PLUS Bronze certification means MasterWatt is independently tested with efficiency of 85%.

**Durable LDB bearing** - Silencio technology combines sealed LDB bearings with quiet fan blades delivering a long lifetime of quiet cooling.

### Package Information

Net Weight	1.606 kg / 3.54 lb
Gross Weight	1.97 kg / 4.34 lb
Package Dimensions	266 x 194 x 112 mm (10.47 x 7.64 x 4.41")
Carton Dimensions	582 x 279 x 218 mm (22.91 x 10.98 x 8.58")
Unit / Carton	5 pcs
Carton / Pallet	24 cartons

Cable type	EAN	UPC
AU	4719512062258	884102034930
BR	4719512062265	884102034947
EU	4719512053126	884102029233
JP	4719512062272	884102034954
KR	4719512062289	884102034961
TW	4719512062241	884102034926
ST	4719512062050	884102034732
UK	4719512053157	884102029264
US	4719512062234	884102034916

### Specifications

Model	MPX-4501-AMAAB												
Type	ATX 12V V2.4												
PFC	Active PFC												
Operation Voltage	100-240Vac												
Input Voltage	100-240Vac												
Input Current	8-4A												
Input Frequency	50-60Hz												
Dimensions (L x B x H)	140 x 150 x 86mm												
Fan size	120mm												
Fan Bearing	LDB												
Powergood Signal	100-500ms												
Hold Up Time	16ms at 80% load												
Efficiency	85% @ Typical Load												
ErP 2013 Lot 6	Yes												
MTBF	>100,000 hours												
Operating Temperature	0~40°C												
Protections	OCP / OVP / UVP / OPP / OTP / SCP												
Regulatory	CCC, CE, TUV-RH, RCM, EAC, cTUVus, FCC, BSMI, KC, CB												
Connectors	<table border="1"> <tr> <td>MB 24 pin</td> <td>1x</td> </tr> <tr> <td>CPU 12V 4+4Pin</td> <td>1x</td> </tr> <tr> <td>SATA</td> <td>6x</td> </tr> <tr> <td>Peripheral 4 Pin</td> <td>2x</td> </tr> <tr> <td>FDD Cable 4 Pin</td> <td>1x</td> </tr> <tr> <td>PCI-e 6+2 Pin</td> <td>2x</td> </tr> </table>	MB 24 pin	1x	CPU 12V 4+4Pin	1x	SATA	6x	Peripheral 4 Pin	2x	FDD Cable 4 Pin	1x	PCI-e 6+2 Pin	2x
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AC INPUT	100-240Vac~ 8-4A 50-60Hz				
DC OUTPUT	+3.3V	+5V	+12V	-12V	+5sb
	20A	20A	37.5A	0.3A	3A
TOTAL POWER	100W		450W	3.6W	15W
	450W				



Experience noise-free operation in normal PC loads under 15% output.



DC-to-DC circuit design offers reliability and stability especially significant in +3.3V and +5V output.



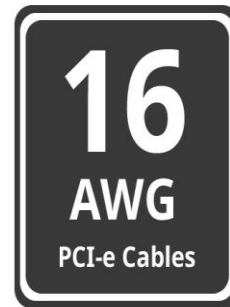
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The MasterWatt comes with a 5 year warranty



Silencio technology combines sealed LDB bearings with quiet fan blades delivering a long lifetime of quiet cooling.



16AWG cables for PCI-e cables. Less resistance means better efficiency.