

Seasonic PRIME-TX-1600 power supply unit



Artikel	128212
Herstellernummer	PRIME-TX-1600
EAN	4711173876397
Seasonic	

Pressing on with its One Seasonic Initiative, the PRIME TX, PRIME PX and PRIME GX series became the successors to the Seasonic PRIME and PRIME Ultra series.

The PRIME Series has always demonstrated outstanding performance and have become the epitome of technological excellence and quality through the years. This third generation of PRIME Series rolled out not only with a uniformed naming scheme but also with updated general design and connection cables. As each new model in these PRIME series have their distinctive set of features and specifications, prospective customers will find a streamlined buying guidance through understanding the One Seasonic process.

80 PLUS TITANIUM

The PRIME Titanium Series achieves the highest level of 80 PLUS Titanium certification on the market with its 94 % efficiency at 50 % system load.

MICRO TOLERANCE LOAD REGULATION

Seasonic's latest design keeps the output voltage within a very tight range, achieving under 0.5 % load regulation. This impressive electrical performance and stability makes this power supply an ideal choice for high-performance systems.

PREMIUM HYBRID FAN CONTROL

Seasonic's vast experience in designing the most silent and efficient power supplies on the market was translated into the development of Hybrid Mode; a state-of-the-art fan control that enables users to keep the overall fan noise at the lowest possible level.

FLUID DYNAMIC FAN BEARING

High performance Fluid Dynamic Bearing (FDB) fans are designed to take advantage of the impact absorbance effects of oil. They are extremely reliable and generate considerably less operating noise and heat than ball bearing fans. The lubrication of the bearing surface reduces friction and vibration and therefore lowers overall power consumption. Due to the effortless, quieter rotations and its robust construction, this reliable fan technology also greatly increases the lifespan of the fan.

HOW IT WORKS

When the fan shaft rotates, high pressure oil drifts along the grooves of the bearing sleeve to generate a thin layer of lubrication between the bearing faces. As the speed increases, so does dynamic oil pressure and the shaft is lifted from the bearing to create smooth, effortless rotations. The herringbone shape of the groves helps to efficiently channel the lubricant and avert leakage.

CABLE-FREE CONNECTION DESIGN

Seasonic's engineers have implemented a new design feature, where instead of cables; the back panel and the PCB (Printed Circuit Board) are connected by a copper plate. This breakthrough solution not only lowers the chance of production errors during manual insertion but it also improves output power quality.

Zusammenfassung

Pressing on with its One Seasonic Initiative, the PRIME TX, PRIME PX and PRIME GX series became the successors to the Seasonic PRIME and PRIME Ultra series.

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Seasonic PRIME-TX-1600, 1600 W, 100 - 240 V, 50 - 60 Hz, 15 - 10 A, 125 W, 1600 W

Seasonic PRIME-TX-1600. Total power: 1600 W, AC input voltage: 100 - 240 V, AC input frequency: 50 - 60 Hz. Motherboard power connector: 20+4 pin ATX, Motherboard power cable length: 61 cm. Purpose: PC, Power supply unit (PSU) form factor: ATX, 80 PLUS certification: 80 PLUS Titanium. Product colour: Black, Cooling type: Active, Fan diameter: 13.5 cm. Cables included: AC, PCIe, Peripheral (Molex), Peripheral (Molex) to SATA 3.3, SATA

Merkmale

		Design	
Operational conditions		Product colour	Black
Operating temperature (T-T) 0 - 50 °C		Cooling type	Active
		Fan diameter	13.5 cm
		Number of fans	1 fan(s)
		On/off switch	Y
Packaging data		Ports & interfaces	
Package type	Box	Motherboard power connector	20+4 pin ATX
Packaging content		Motherboard power cable length	61 cm
Cables included	AC, PCIe, Peripheral (Molex), Peripheral (Molex) to SATA 3.3, SATA	Number of SATA power connectors	10
Cable tie(s) included	Y	Peripheral (Molex) power connectors (4-pin)	3
		PCI Express connector	Y

Weight & dimensions

Width	150 mm
Depth	210 mm
Height	86 mm

Performance

80 PLUS certification	80 PLUS Titanium
Purpose	PC
Power supply unit (PSU) form factor	ATX
Bearing technology	FDB
Mean time between failures (MTBF)	150000 h
Compatible products	cTUVus, TUV, CB, CCC, BSMI, EAC, CE, Energy Star, RoHS, WEEE, ErP Lot 6, REACH

Power

Total power	1600 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Input current	15 - 10 A
Combined power (+3.3V)	125 W
Combined power (+12V)	1600 W
Combined power (+5V)	125 W
Combined power (-12V)	6 W
Combined power (+5Vsb)	15 W
Max output current (+3.3V)	25 A
Max output current (+12V)	133.3 A
Max output current (+5V)	25 A
Max output current (-12V)	0.5 A
Max output current (+5Vsb)	3 A
Power protection features	Over current, Over voltage, Short circuit

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.