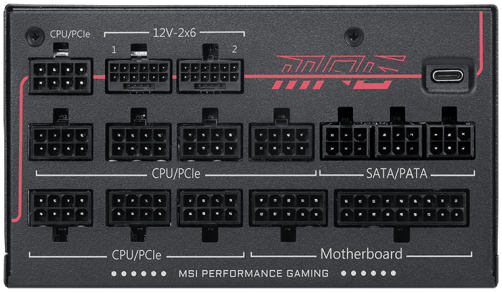
POWER SUPPLY

MPG Ai1600TS PCIE5



SPECIFICATIONS

Efficiency Rating	80 PLUS TITANIUM
Power Watt	1600W
Modular	Fully Modular
Form Factor	ATX
Dimensions (DxWxH)	150x190x86 mm
PFC Type	Active PFC
Input Voltage Range	100~240 VAC
Input Frequency Range	50~60 Hz
Fan	Size: 135mm Bearing: FDB
Protection	OVP / OCP / OTP / OPP / SCP / UVP / SIP / NLO
Connector	1 x Motherboard (24 pin) 1 x CPU (4+4 pin) 1 x CPU (8 pin) 2 x PCIe 5 (12+4 pin) / 600W 7 x PCIe (6+2 pin) 8 x SATA 4 x Peripheral (4 pin)

FEATURES

GPU SAFEGUARD+

Built-in overcurrent protection specific to the 12V-2x6 interface. The MSI CENTER software issues a real-time warning prompting the user to inspect the connection of the 12V-2x6.

SiC MOSFET

The server-grade materials, not only enhance power supply's stability, also reduce losses, and optimize heat dissipation.

FAN SAFEGUARD

The integrated fan failure protection immediately detects when the fan stops spinning. A buzzer will then sound, alerting you to the problem and preventing the power supply from overheating.

DUAL COLOR 12V-2x6 CONNECTOR

With its vibrant yellow connector, you can easily see if the cable is fully plugged in, which helps guarantee a secure connection.

OPTIMIZED THE SOUND LEVEL

This power supply is designed for quiet operation, delivering low noise levels like in the midnight, ensuring a serene computing experience free from disturbances.

EMBOSSED JACKET CABLE

The embossed cables are exceptionally flexible for easy routing and cable management, while also offering superior durability and a premium look.

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MPG Ai1600TS PCIE5

POWER OUTPUT

AC INPUT	100-240V~, 15-10A, 50-60Hz			
DC output	+5V	+3.3V	+12V	+5Vsb
	22.0A	22.0A	133.3A	3.0A
	120W		1599.96W	15W
Total power	1600W: 115-240V~ / 1200W: 100-115V~			

CONNECTORS

Motherboard (24 pin)	CPU (8 pin / 4+4 pin)	PCIe 5.1 (12+4 pin)	PCIe (6+2pin)	SATA	Peripheral (4 pin)
1	2	2 (600W)	7	8	4

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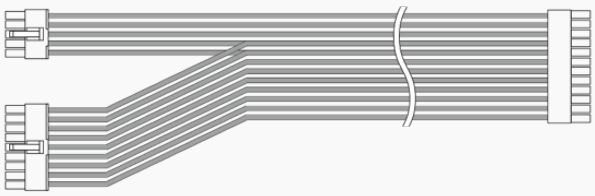
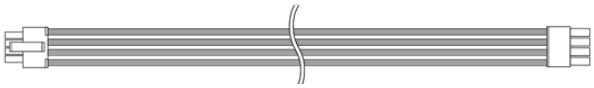
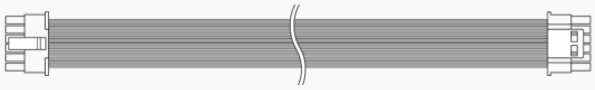
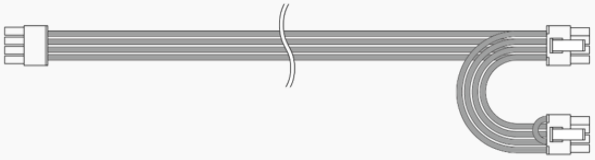
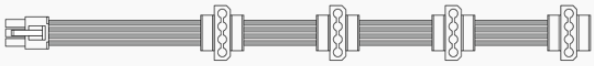
CABLES

Amount / Type	Length (mm)	Diagram
1 x ATX Embossed Jacket Cable	600	
2 x EPS12V Embossed Jacket Cable	650	
2 x PCIe 5.1 Embossed Jacket Cable	600	
5 x PCIe Embossed Jacket Cable	600	
1 x PCIe to dual PCIe Embossed Jacket Cable	600 | 150	
2 x SATA Embossed Jacket Cable	500 | 150 | 150 | 150	
1 x PERIPHERAL Embossed Jacket Cable	500 | 150 | 150 | 150	
1 x USB-C to USB 2.0 (software connect)	600	

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