

ATX

3.1

READY

PCIe

5.1

READY

POWER EXCURSION

↑2X

POWER EXCURSION

↑3X



SPECIFICATIONS

Product Name	MEG Ai1600T PCIE5
Form Factor	ATX
Power Wattage	1600W
Efficiency Rating	80 PLUS Titanium · Cybenetics Titanium · PPLP Titanium
Modularity	Fully-Modular
Fan Size	135 mm
Fan Bearing	Two Ball Bearing
Dimensions (D x W x H)	190 x 150 x 86mm / 7.48 x 5.9 x 3.4 inches
PFC Type	Active PFC
Input Voltage Range	100-240V~
Input Frequency Range	50~60Hz
Protection	OCP/ OTP/ OPP/ SCP/ OVP/ UVP/ SIP/ NLO

- Tri-certified Titanium certification
- PCIe 5.1 and ATX 3.1 Ready
- Server-grade materials, SiC interleaved PFC MOSFET
- 2 x native 12V-2x6 connector
- Dual-color 12V-2x6 cable
- Server-grade 100% Electrolytic 105°C capacitor
- 3.5 mm Braided cables (ATX, EPS, PCIe)
- Optimized the sound level, average sound level is below 20 dBA(TBD)
- Active PFC design
- Industrial level protection with OCP/ OTP/ OPP/ SCP/ OVP/ UVP/ SIP/ NLO
- Full digital design with control MCU
- Bridgeless interleaved PFC + DC-to-DC



MSI G.I. (Gaming Intelligence) Support

MEG power supply is supported by MSI Gaming Intelligence through the MSI Center, which helps optimize user experience with adjustable settings. It can improve user experience:

- Monitor the power consumption of the system/GPU/CPU in real-time
- Set the fan speed of the power supply

MEG Ai1600T PCIE5					
AC INPUT		100-240V~, 10-15A , 50-60Hz (200-240~,7.5A,50-60Hz仅适用中国)			
DC output	+5V	+3.3V	+12V	-12V	+5Vsb
	22.0A	22.0A	133.3A	0.3A	3A
	120W		1599.96W	3.6W	15W
Total power		1600W: 115-240V~ / 1200W: 100-115V~			

CONNECTORS

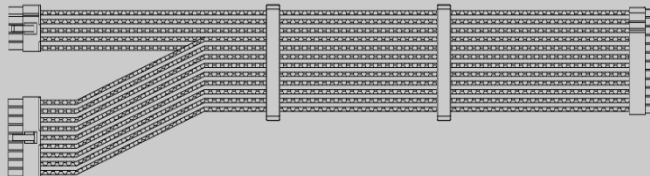
ATX (20+4 PIN)	EPS (4+4 PIN)	PCIe 5.1 (16 PIN)	PCIe (6+2 PIN)	SATA	PERIPHERAL (MOLEX)
1	2	2	9	8	8

Power Supply Cable

1 x ATX Braided Cable



600mm±10mm, #16



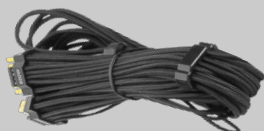
2 x EPS Braided Cables



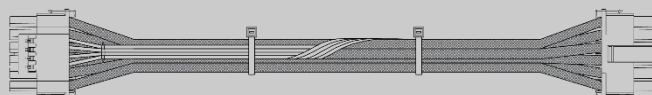
750mm±10mm, #16



2 x PCIe 5.1 Braided Cables



600mm±10mm, #16

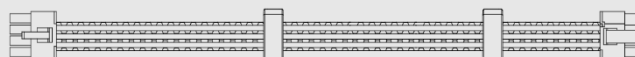


5 x PCIe Braided Cables

*8-pin to 8-pin



600mm±10mm, #16

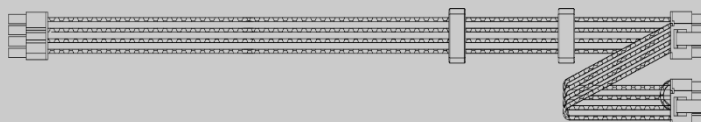


2 x PCIe Braided Cable s

*8pin to 2*6+2pin



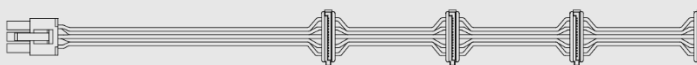
600mm, #18



2 x SATA Black Flat Cables



500mm+3*150mm, #18



2 x PERIPHERAL Black Flat Cables



500mm+3*150mm, #18



1 x USB Type-C to 10-pin



600mm±20mm

