PS-G1600PMPG5

Gigabyte GP-UD1600GM PG5 1600W 80+ Gold Fully Modular Power Supply Unit

Product Overview

Gigabyte GP-UD1600GM PG5 - 1600W PSU, 80+ Gold, Fully Modular, ATX 3.0, PCI-E Gen5, 12VHPWR, 135mm smart fan, OVP/UVP/OPP/SCP protection



Specifications

Features:

- 16-pin PCIe cable * 4 support PCIe Gen 5.0 graphic cards
- ATX 3.1 and PCIe Gen 5.0 ready
- Server-grade Ultra Durable
- Main Japanese capacitors
- Enhanced thermal solution
- 140mm smart double ball bearing fan
- OVP/OPP/SCP/UVP/OCP/OTP protection
- 80 PLUS Platinum certified
- Fully modular design
- Powerful single +12V rail

16-pin PCIe cable * 4 support PCIe Gen 5.0 graphic cards
Equipped with two PCIe 16pin to PCIe 16pin connectors, it supports up to two high-end graphics cards simultaneously, providing each card with a robust 600W power supply to meet demanding high-performance computing needs. Additionally, it features two two 8pin to PCIe 16pin connectors, enabling simultaneous support for four PCIe Gen 5.0 graphics cards, with each card receiving an independent 300W power supply to fully satisfy multi-card computing requirements.

ATX 3.1 and PCIe Gen 5.0 ready
The UD1600PM PG5 AI TOP can sustain power excursions of up to 3 times the GPU power and 2 times the total power. It's fully compliant with the latest Intel ATX 3.1 standard, supporting up to 200% power excursions and achieving 70% efficiency at low loads. Additionally, the included high-quality, native 16-pin cable ensures compatibility with PCIe Gen 5.0 graphics cards, delivering up to 600 watts of power.

SERVER-GRADE ULTRA DURABLE
Embracing the essence of GIGABYTE's Ultra Durable product design, this power supply unit employs server-grade high-quality materials and engineering to deliver exceptional stability and reliability. Featuring high-quality main Japanese

capacitors, an enhanced thermal solution, a 140mm double ball-bearing fan, and 6 circuit protection designs, it ensures a stable and long-lasting power supply. Moreover, having undergone GIGABYTE's rigorous testing and extensive AI simulation training tests, this power supply unit can provide stable power for AI simulation training, meeting the high-performance computing needs.

HIGH QUALITY JAPANESE CAPACITORS
The main capacitors utilize high quality Japanese capacitors to produce the efficient performance and ensure the longer reliability.

ENHANCED THERMAL SOLUTION
Compared with the standard thermal solution, we have enlarged the heatsink and optimized the airflow. The heat dissipation performance is increased, thus prolonging the service life of the components.

140mm smart double ball bearing fan
Equipped with a 140mm double ball bearing fan, the power supply intelligently detects current power usage and temperature, automatically adjusting fan speed for optimal cooling performance. The fan will stop operation upon detecting system idle or low load conditions, effectively minimizing noise. The double ball bearing fan delivers enhanced stability and a longer lifespan compared to standard sleeve bearing fans.

PROTECTION
In order to make sure the entire computer system to operate stably under any conditions, we not only added protection designs such as OCP, OTP, OVP, OPP, UVP and SCP, but also ensured the stable operation of your system through the safety certification of various countries.

FULLY MODULAR DESIGN
All the flat cables are modular design. Installing only the cables you need to reduce clutter, to increase the airflow and to improve the chassis thermal performance.

80 PLUS PLATINUM CERTIFIED
80 Plus Platinum certified ensures to deliver 92% efficiency at 50% load. The better power efficiency leads to less power waste, less heat and less fan noise.

SINGLE +12V RAIL
Single +12V rail provides the best power output, stability and compatibility for the hardware. It provides the easiest way to install the power cable. And it is the best design for overclocking.

AI TOP utility
GIGABYTE's exclusive utility provides powerful AI computing assistance features. Its visually appealing interface allows you to easily track LLM finetune progress and hardware status, and quickly adjust related fine-tuning settings, significantly improving work efficiency.

Specifications:

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Specifications	
Product Code	PS-G1600PMPG5
Model	GP-UD1600PM PG5
Type	Intel Form Factor ATX 12V v3.1

PFC	Active PFC (>0.9 typical)
Input Voltage	100-240 Vac (full range)
Input Current	15-7.5A
Input Frequency	60-50 Hz
Output Capacity	1600W
Dimensions	150 x 190 x 86mm
Fan Type	140mm Double Ball Bearing fan
80 PLUS	Platinum
Efficiency	92% at typical load
MTBF	>100, 000 hours
Protections	OVP/OPP/SCP/UVP/OCP/OTP
Power Good Signal	100-150ms
Hold Up Time	>16ms
Cable Type	Flat, All black
Connectors	ATX/MB 20+4 Pin x 1 : 610mm*1
	CPU/EPS 4+4 Pin x 2 : 650mm*2
	PCI-E 16 Pin x 2 : 700mm*2
	PCI-E 16 Pin to PCI-E 8 pin x 2 : 700mm*2
	PCI-E 6+2 Pin x 8 : 650mm+150mm*4
	SATA x 16 : 650mm+150mm+150mm+150mm*4
	4 Pin Peripheral x 6 + 4 Pin floppy x 2 : 600mm+150mm+150mm+150mm*2

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/PS-G1600PMPG5-Gigabyte-GP-UD1600GM-PG5-1600W-80-Gold-Fully-Modular-Power-Supply-Unit-p-324481.php

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