

Review of FSP 1000W Power Supply AURUM PT Series PT 1000FM Active PFC

The FSP 1000W Power Supply AURUM PT Series PT 1000FM Active PFC is among the top 1000W power supplies currently available, sufficient to power gaming PCs equipped with two GeForce graphics cards.

FSP is one of the largest computer power supply (PSU) manufacturers today. In addition to retail sales, the company also operates as an OEM (original equipment manufacturer), collaborating with several companies including Antec, be quiet!, EVGA, NZXT, and SilverStone. FSP's high-end Platinum series PSUs, codenamed Aurum PT, currently includes three units with power ratings from 850 to 1200W.



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1. Technical Specifications

The new FSP Aurum PT 1000W power supply is 80 Plus Platinum certified and boasts an efficiency of over 92%. Here are some of the technical specifications:

- Compatible with ATX12 v2.4 and EPS12 v2.92.
- Efficiency above 92%.
- Active PFC (power factor) above 99%.
- 80 Plus Platinum certified.
- Power supply type: Single-Rail +12V.
- Japanese capacitors.
- Number of power connectors: 8*PCIe 6+2 pins.
- Cooling fan: 1135mm.
- Protection modes: OCP, OVP, SCP, OPP, UVP, and OTP.



FSP's AURUM PT series offers improved performance, featuring a full complement of Japanese-made capacitors and solid-state capacitors in the secondary winding. The single-rail +12V design ensures more efficient and consistent operation.

Additionally, E-Sync Remote-Sensing synchronizes 3.3V/5V/12V for a more stable signal. E-Sync Remote-Sensing is a proprietary FSP technology that provides noise and ripple reduction capabilities.

2. Modular cable

The simple, detachable modular cable design makes installation more flexible and easier.



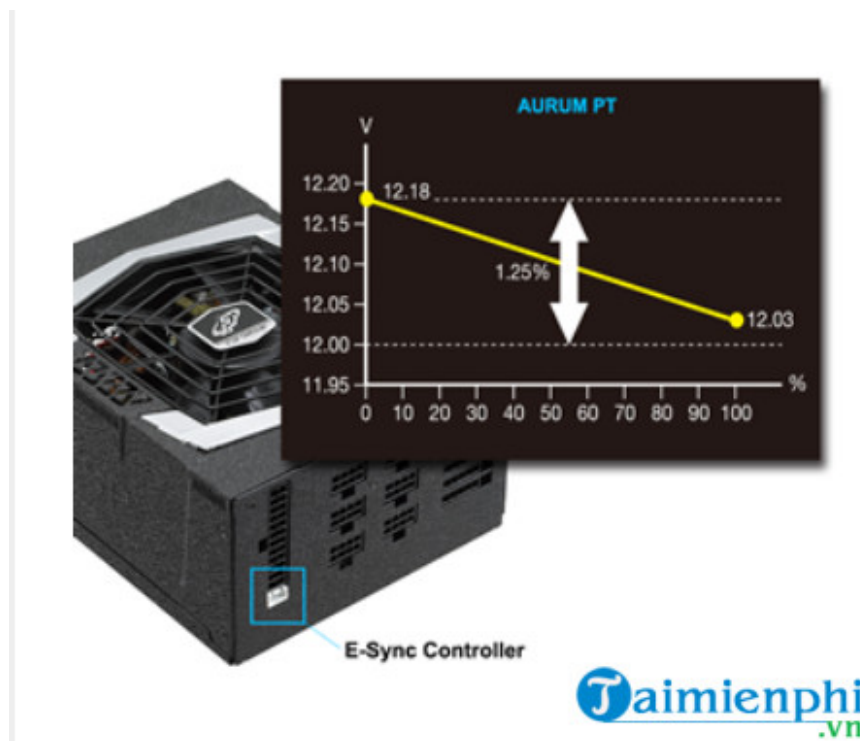
3. Unique ventilation technology

The Aurum PT 1000W is equipped with advanced ventilation technology and delivers superior cooling performance.



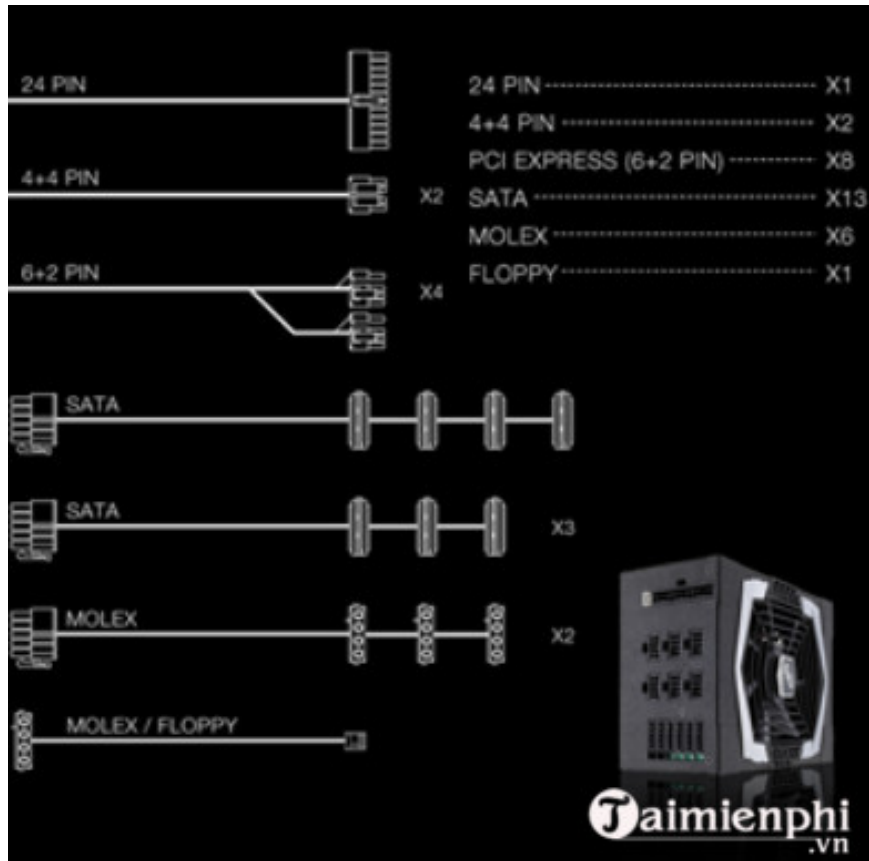
4. E-Sync Remote Sensing

Adjustable 3.3V/5V/12V power supply with stable signal, providing better ripple/noise performance.



5. Number of power supply terminals

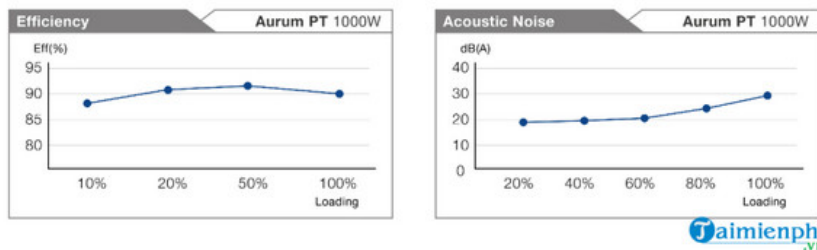
FPS's high-end power supply supports 13 SATA and 8 PCI-E cables.



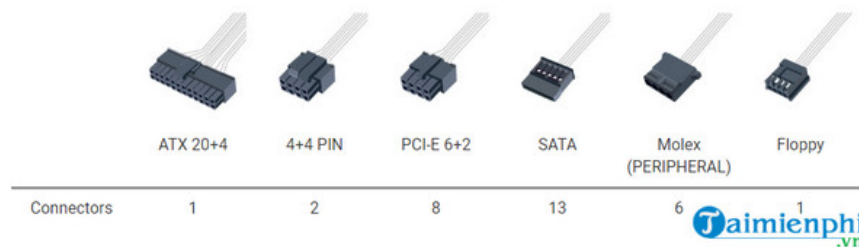
6. Test results

Overall, the test results for the FSP Aurum PT 1000W power supply were positive. Under normal conditions, the computer power supply operates without generating excessive noise.

Performance test:



Can:



AC/DC:

AC/DC					
AC Input	110-240Vac~ 14-8A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	25A	25A	83A	0.8A	3A
Max Combined Power	160W		996W	9.6W	15W
Total Power	1000W				



The Aurum PT 1000W is an ideal choice for gaming PCs, offering a full range of features, ensuring high performance, and notably, it doesn't generate excessive noise. Furthermore, the entire power cable is detachable, providing flexibility to suit different PC configurations.

However, the biggest drawback of the Aurum PT 1000W power supply is its high price; not everyone can afford it.

Above are some reviews of the FSP Aurum PT 1000W power supply. Additionally, if you have any further questions or need clarification, such as "What are the best computer power supplies of 2020?", please leave your comments in the section below the article.

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