



Introduction

FSP new PSU-AURUM PT Series has 80 PLUS® Platinum certification, and features full industrial-grade Japanese capacitors and full modular. It is the ultimate design for gaming enthusiast and overclocker ever!

Features



Modularity

Easy Installation, neat build



Unique Airflow Technology

Uniquely designed ventilation holes that allow aerodynamic to improve air extraction



E-Sync Remote Sensing

Synchronize 3.3V/5V/12V with stable signal, provide better ripple/noise performance



Full Industrial-Grade Japanese Capacitor

105°C Japanese-made capacitors for prolonged life span

- Complies with ATX12V V2.4 & EPS12V V2.92
- High Efficiency $\geq 92\%$
- Active PFC $\geq 99\%$
- High Wattages with 80PLUS® Platinum Certification
- +12V Single-Rail Design
- Full Modular with Soft Cables
- Full Japanese Capacitors and Solid Capacitors
- 8 x 6+2 pin PCI-Express Connectors
- Quiet and Long-Lasting 135mm FDB Fan
- Complete Protections:
OCP, OVP, OPP, SCP, UVP, OTP
- Global Safety Approved

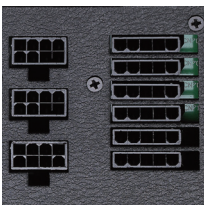
Product Overview



Quiet and Durable Cooling

135mm FDB

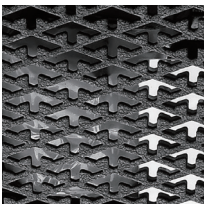
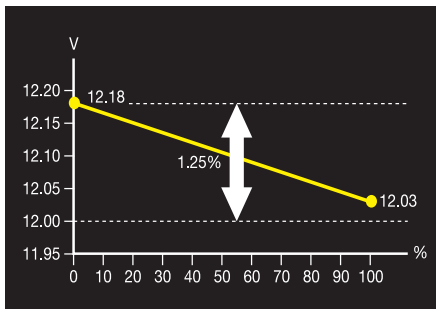
Fluid Dynamic Bearing



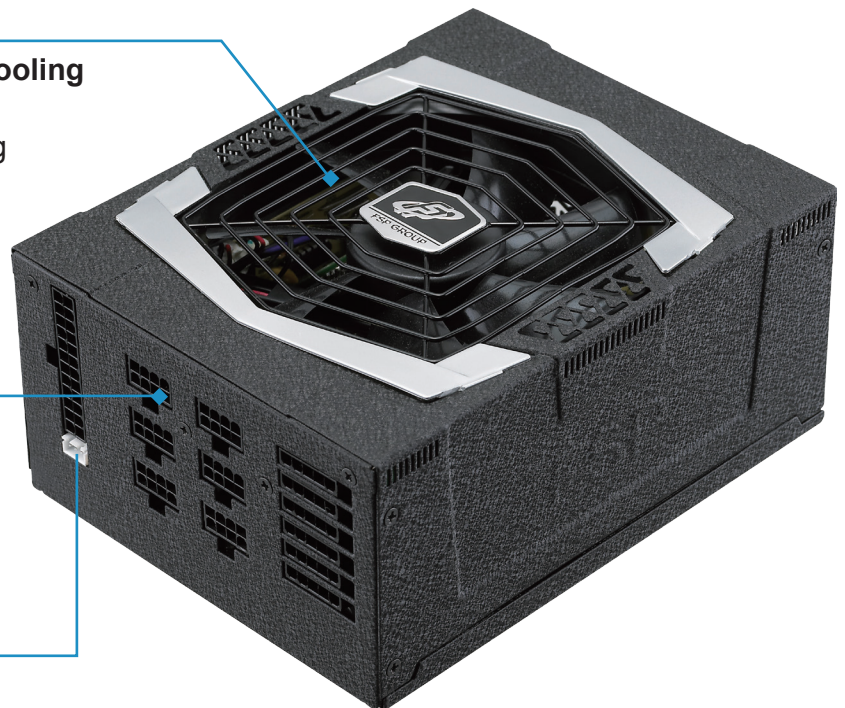
Modularity

E-Sync Remote Sensing




Provide better ripple/noise performance



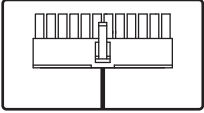
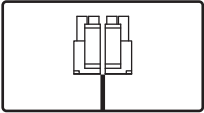
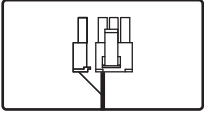
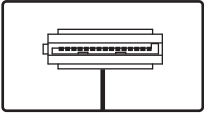
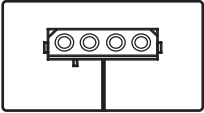
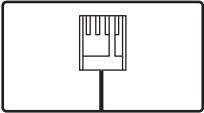
Unique Airflow Technology



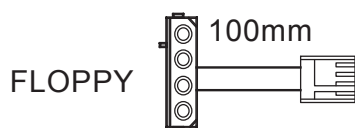
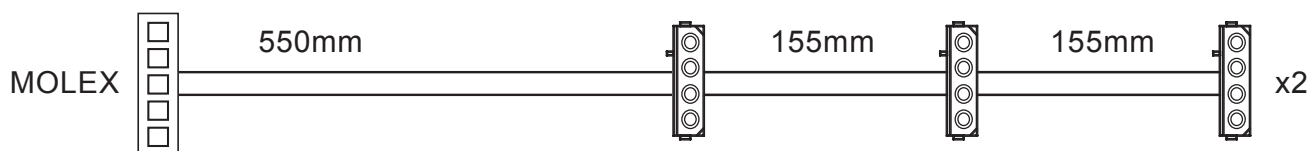
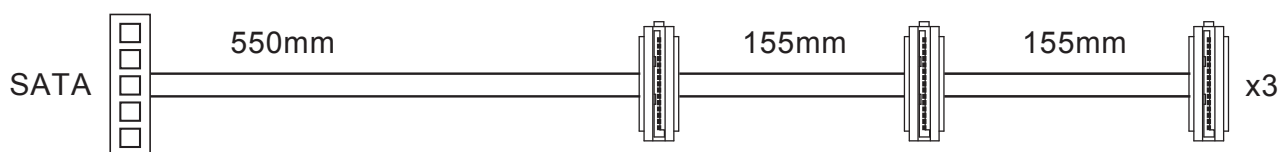
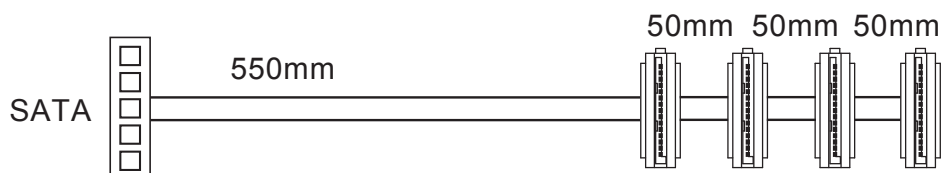
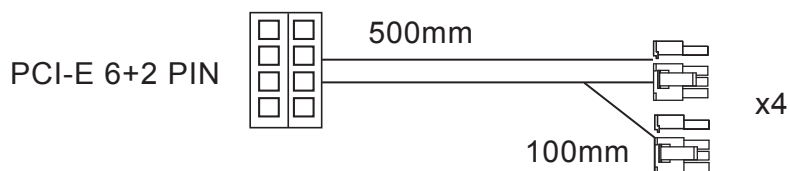
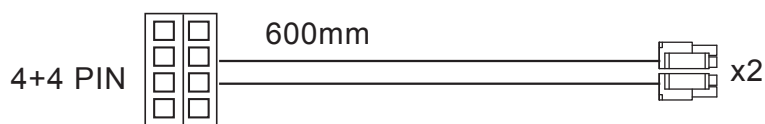
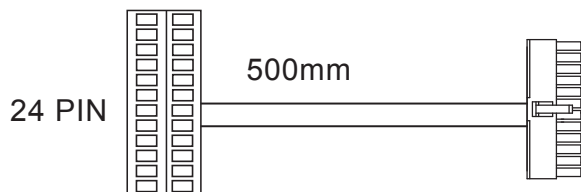
Specifications

| | | | |
|-------------------|---|--|---|
| |  |  |  |
| Model | PT-850FM | PT-1000FM | PT-1200FM |
| Type | ATX | ATX | ATX |
| PFC | Active PFC | Active PFC | Active PFC |
| Input Voltage | 100V-240V | 100V-240V | 110V-240V |
| Input Current | 7 ~ 13A | 8 ~ 14A | 9 ~ 15A |
| Input Frequency | 50-60Hz | 50-60Hz | 50-60Hz |
| Output Capacity | 850W | 1000W | 1200W |
| Max. Output Power | 850W | 1000W | 1200W |
| Fan Type | FDB Fan, 135mm | FDB Fan, 135mm | FDB Fan, 135mm |
| Efficiency | 92% | 92% | 92% |
| MTBF | 100,000 Hrs | 100,000 Hrs | 100,000 Hrs |
| Protection | OVP, OCP, OPP OTP, UVP, SCP | OVP, OCP, OPP OTP, UVP, SCP | OVP, OCP, OPP OTP, UVP, SCP |
| Weight | 3.51kg | 3.41kg | 3.48kg |
| Dimension(L×W×H) | 190 × 150 × 86 mm | 190 × 150 × 86 mm | 190 × 150 × 86 mm |

Connectors

| | 850W | 1000W | 1200W |
|---|------|-------|-------|
|  <p>24 PIN</p> | 1 | 1 | 1 |
|  <p>4+4 PIN</p> | 2 | 2 | 2 |
|  <p>6+2 PIN</p> | 8 | 8 | 8 |
|  <p>SATA</p> | 13 | 13 | 13 |
|  <p>MOLEX</p> | 6 | 6 | 6 |
|  <p>FLOPPY</p> | 1 | 1 | 1 |

Cable Length



Package Information

| Model | AURUM PT 850W | AURUM PT 1000W | AURUM PT 1200W |
|----------------------------------|---|----------------|----------------|
| EAN Code | 4711140487090 | 4711140487106 | 4711140487113 |
| UPC Code | 845685007155 | 845685007162 | 845685007179 |
| Shipping Dimensions (L×W×H) | 355 x 267 x 96 mm | | |
| Shipping Weights | 4.13kg | 4.23 kg | 4.27kg |
| Master Pack Dimension (L×W×H) | 534 x 305 x 383 mm | | |
| Master Pack Quantity | 5 retail boxes per master package | | |
| Master Pack Weight | 21.65 kg | 21.15 kg | 21.33kg |
| Pallet Quantity | 160 (5 retail boxes × 32 master boxes) | | |
| Country of Origin | China | | |
| Warranty | 7 Years | | |
| Additional Information | http://www.fsplifestyle.com/series.php?LID=1&SID=466 | | |


Media Review

| Media | Award | Review Link |
|--------------------|--|---|
| AnandTech U.S.A | the Aurum PT 1200W is a well made, reasonably priced product that offers good overall performance. | http://www.anandtech.com/show/8607/fsp-aurum-pt-1200w-power-supply-review |



The Aurum PT 1200W is also a very quiet 1200W unit, but the side effect is that it has very high operating temperatures. Using it in environments with high ambient temperatures or running it with a heavy load for prolonged periods of time is not a wise idea. We would not recommend this PSU for use with cryptocurrency ASICs. Gamers should enjoy it very much though, as it is one of the quietest 1200W units available and the temperatures inside a well-designed gaming system should not be overly high.

In conclusion, the Aurum PT 1200W is a well made, reasonably priced product that offers good overall performance. The only actual problem of this product is the very limited market that it is trying to appeal to, as a very small percentage of users actually need this kind of power. It may not generate great sales, but we feel that FSP mostly wanted to prove that they could create a high quality and reasonably priced top-tier product. If you are a gamer or a professional with three or more high end GPUs, the FSP Aurum PT 1200W will not disappoint. We'll also likely see other brands of PSU use FSP's design in the coming months, and those may improve on what few blemishes exist.

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|--------------------|---|---|
| JonnyGURU U.S.A |  | http://www.jonnyguru.com/modules.php?name=NDReview&op=Story&reid=398 |
|--------------------|---|---|





Performance (40% of the final score) - we have come to some scoring. The first of the three main areas I score on will be ripple suppression. On this unit, only the 12V rail needs to see a point deduction, as it was a notch down from excellence in my scoring system. That means a half point will be removed. But the two minor rails were unbelievably awesome, so no deduction will happen there. Next, I'll look at voltage regulation. With an average of 1.4% in the hot box, thanks to that awesomeness on the 12V rail, we can call that excellent with no deduction happening. Finally, efficiency. We saw Platinum both times, so no deduction there either. **9.5.**

Functionality (20% of the final score) - I can't really see a lot to complain about here. The unit is fully modular, supports up to four video cards with two PCI-E connectors, and the cabling all makes sense to me. While the double wires on the CPU cables is a bit puzzling, leading to some increased stiffness, it does give you the benefit of heavier wire gauge without being quite as stiff as just using that heavier gauge to begin with. Yes, I'd still like to see a more elegant solution used for the "e-sync" connector, but I'm really not seeing it as a scoreable issue. If anything, it's more ugly than anything else, and since I don't score on being pretty anymore I just don't find myself all that bothered by it. The manual could definitely use improving though, so I'll take off half a point there. **9.5.**

Build Quality (20% of the final score) - there's really only one itty bitty issue worth scoring on here, and it's the sloppy hand soldering I found on the underside of an otherwise flawless mainboard. Apart from that, FSP's build quality is excellent. They used threadlocker on all heatsink screws. Capacitors are top quality. Silicon components used are excellent. The fan is fantastic. I'm doing **9.5** again here.

Media Review

| Media | Award | Review Link |
|----------------|---|---|
| KitGuru U.K |  | http://www.kitguru.net/components/power-supplies/zardon/fsp-aurum-pt-1000w-psu-review/ |



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If you are building a new, powerful multi GPU gaming system then the FSP Aurum PT 1000W power supply will likely interest you. This high end modular unit is 80 Plus Platinum certified and the company say the design uses industrial grade Japanese capacitors with solid capacitors on the secondary side. It is a single +12V Rail design and features E-Sync Remote Sensing – providing synchronised 3.3V/5V/12V with superior noise and ripple suppression.

Read review here: <http://www.kitguru.net/components/power-supplies/zardon/fsp-aurum-pt-1000w-psu-review/>

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22 shares

Craig Smith That looks like a cheese basket
Like · Reply · 13 · Yesterday at 12:49am

2 Replies

| | | |
|------------------------|---|---|
| Techpowerup Germany |   | http://www.techpowerup.com/reviews/FSP/PT-1200FM/ |
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With this high-end platform, FSP entered the top category where the competition is very tough. This new design is very good, and although it needs some more fine tuning, it has all the essentials to be successful against even the worthy competition thriving in this price range. **The Aurum PT-1200FM's strongest feature is its high efficiency under all conditions. It is currently the most efficient 1.2 kW unit I have ever tested, and the quietest.** This means FSP has hit the jack-pot in two areas many consider crucial to users. Load regulation at +12V was also tight and all rails feature good ripple suppression. My main concern, however, is the low hold-up time since FSP chose to use two small bulk caps to achieve the highest possible efficiency while also decreasing production cost, given bulk caps are expensive. I also found the combination of plain and flat and all-black cables strange. I don't know whether the company will use these cables in their final retail units, but strongly advice against doing so since such a combination would also be a let down to most users. I left the price for last - it is on par with the competition. Given the high quality components used, FSP couldn't have done much to provide the unit another strong advantage. Only the Hydro-Bearing fan is a significant expenditure, but it will last forever and runs quietly compared to a ball-bearing fan.

This new Aurum product sets new standards for FSP as they have now left their budget-oriented designs behind to offer something cutting-edge. Analog-based, the platform isn't umber-modem, while some other vendors have for quite some time now worked with digital circuits. **That said, this is still a very good platform since it offers high performance at a reasonable price.** You will have to pay much more for digital control, and such circuits add some extra complexity which many will avoid in favor of analog circuits until proven reliable. If your system needs a high capacity Platinum unit, FSP now has an alternative with many great features and a highly desired silent operation in the Aurum PT-1200FM.

Media Review

| Media | Award | Review Link |
|------------------|---|---|
| HardOCP U.S.A |  | http://www.hardocp.com/article/2015/02/13/fsp_aurum_pt_1000w_power_supply_review/1 |




The Bottom Line

The FSP AURUM PT 1000W is the newest power supply from FSP in the AURUM line that we have seen. Overall, this unit ends up being an extremely capable, passing ATX12v specification at 45C. When all our testing criteria get averaged out however, the FSP AURUM PT 1000W is a middle of the road option among comparable 1000W units. That may not sound like a lot, but this unit does address the issues we saw with the last AURUM based unit when it comes to build quality resulting in an excellent product in that aspect. After that, the unit did post good voltage regulation, better transient load test results, and finally some of the best DC output quality we have seen among comparable units while being relatively quiet. **This FSP unit averages out to being in the middle of good competition but one of the best products when it comes to the ripple/noise values we have seen.**

Given these extremely solid and impressive results, the AURUM PT 1000W unit's worthiness for recommendation to users is going to hang on the FSP's pricing and whether or not FSP is aggressive with that. Currently, FSP is giving a MSRP of \$239.99 for this unit. FSP is also telling us that it will be on etailer's shelves in late March or early April. If the AURUM PT 1000W ends up with a street price of \$239.99 then it is a bit of a hard sell relative to competing products but the street price being the same as the MSRP is unlikely. If this unit ends up with a street price of closer to ~\$200 then the AURUM PT 1000W becomes a good buy that should be at least a consideration when looking at this kind of product. The best advice we have for readers in the market for a 1000 watt PSU currently is that the FSP AURUM PT 1000W is a quality unit that simply warrants a bit of shopping to get the best price you can. It is a product where value will come in to play a bit more than raw performance.

When it comes to awards, the AURUM PT 1000W is a unit that is worthy of one depending on what it ends up selling for. Once we see it for sale in North America, we will revisit this unit for an award evaluation.

Update - 3/6/2015: The FSP AURUM PT 1000W is now available from **Newegg** for **\$229.99** and shows to soon be available from **Amazon** for **\$229.99 with Free Shipping**. Given that it is coming in \$10 below its MSRP is a certainly a positive as we felt it was a bit overpriced. At the \$229.99 price we feel as though the FSP AURUM PT 1000W is worthy of a HardOCP Editor's Choice Silver. We feel as though its value would be much better represented at \$209.99

| | | |
|-------------------------|---|---|
| Hexus United Kingdom |  | http://hexus.net/tech/reviews/psu/87419-fsp-aurum-pt-1200w/?&key=1445422991 |
|-------------------------|---|---|



Conclusion


The last five years have seen every PSU manufacturer up its game to a level where it's far more difficult to find a below-average supply than a good one.

The race for electrical excellence is most pronounced at the premium end of the market that's characterised by a number of 80 PLUS Platinum and a smattering of Titanium-rated supplies.

Industry giant FSP has realised that making supplies for other people, whilst beneficial from a volume point of view, does little to enhance its own reputation, and this is why it's forging a retail presence of its own through the Aurum PT line.

...Industry giant FSP has realised that making supplies for other people, whilst beneficial from a volume point of view, does little to enhance its own reputation.

Media Review

| Media | Award | Review Link |
|----------------------|---|---|
| ITHARDWARE Poland |  | http://ithardware.pl/testyirecenzje/test_zasilacza_fortron_aurum_pt_1200_w_wysoka_sprawnosc_przy_niskich_obciazeniach_ale-132.html |



“

FSP Aurum PT 1200 is a really good, modern high end PSU, which is able to come up with PSU other brands in this price category.

The biggest advantage of this model is very high efficiency, which amounts 94.7%, which is also high during low load.

”






Test zasilacza Fortron Aurum PT 1200 W - wysoka sprawność przy niskich obciążeniach, ale...

Dodano: 12 Kwiecień 2016, 11:08, przez: Łukasz Sierant
Przeczytano: 1,934, komentarzy: 4,

Spis treści:

15. Podsumowanie




FSP Aurum PT to naprawdę nowoczesna hi-endowa jednostka, dorównująca konkurencji w swoim przedziale cenowym. Największą zaletą testowanego zasilacza jest bardzo wysoka sprawność energetyczna, dochodząca do 94,7%, oraz równie imponująca efektywność podczas niskich obciążeń. Kolejnymi atutami są znakomita regulacja napięcia linii +12 V oraz bogate okablowanie. Temperatury jednostki są niskie, jednakże wentylator z łożyskiem hydrodynamicznym mógłby być nieco cichszy podczas niskiego obciążenia. Co nie zmienia faktu, iż nadal jest bardzo cicho i chłodno. Niskie temperatury pracy do spółki z zastosowanymi komponentami (wszystkie kondensatory produkcji japońskiej) powinny zaowocować długą i bezawaryjną pracą, co potwierdza siedmioletnia gwarancja producenta.

| | | |
|------------------------|---|---|
| Cowcotland France |  | http://www.cowcotland.com/articles/1770/test-alimentation-fsp-aurum-pt-1200-watts.html |
| Goldfries Malaysia |  | http://www.goldfries.com/hardware-reviews/fsp-aurum-pt-1000w-power-supply-review/ |
| Nikktech Greece |  | http://www.nikktech.com/main/articles/pc-hardware/power-supplies/4358-fsp-aurum-pt-1200w-power-supply-unit-review |
| PCEkspert Croatia |  | http://www.pcekspt.com/clanak/brzi-test-fsp-aurum-pt-1200w/ |
| Prohardver! Hungary |  | http://prohardver.hu/teszt/gigaszi_platina_fsp_tap/proba_ertekeles.html |

Media Review

| Media | Award | Review Link |
|--|--|---|
| Noticias3D Spain |  | http://www.noticias3d.com/articulo.asp?idarticulo=2043&pag=5 |
| Realhardtechx Spain |  | http://www.realhardtechx.com/index_archivos/FSP_AurumPT_1200W_6.html |
| Sweclockers Sweden |  | http://www.sweclockers.com/recension/19950-fsp-aurum-pt-850-w/5#pagehead |
| Overclocking Made in France France |  | http://www.overclockingmadeinfrance.com/test-fsp-aurum-pt-850-platinum/3/ |
| TweakPC.de Germany |  | http://www.tweakpc.de/hardware/tests/netzteile/fsp_aurum_pt_1200w_platinum/s01.php |
| MegaHertz Modding France |  | http://mhmod.fr/test-fsp-aurum-pt-1200w-platinum/ |
| ZeDen.Net France |  | http://www.zeden.net/actu/23506-test-alimentation-AURUM-PT-Series-1200-W-de-FSP-review |
| LeTester.net France |  | http://letesteur.net/test-fsp-aurum-pt-1200w/ |
| 59 Hardware France |  | http://www.59hardware.net/articles/alimentations/alimentation-fsp-aurum-pt-1200-2015102717432.html |
| Conseil-config France |  | http://www.conseil-config.com/2015/test-fsp-aurum-pt-1200/ |
| PC-MAX Germany |  1000~1200W PSU Round-Up | http://www.pc-max.de/artikel/netzteile/vergleich-corsair-rm1000x-evga-supernova-1000-g2-fsp-aurum-pt-1200fm/21601 |

Media Review

| Media | Award | Review Link |
|---------------------------|---|---|
| VR-ZONE Singapore |  | http://vr-zone.com/articles/fsp-aurum-pt-1000fm-psu-review/91316.html |
| ElektronikHeart France |  Youtube Overview | https://www.youtube.com/watch?v=qvEwMSkGFaM |
| Cowcotland France |  Youtube Overview | https://www.youtube.com/watch?v=HRSQ5VX1oPI |