

# Triton 1000Rz



- Equipped and compatible Intel ATX 3.1 specification standard with Gen5 12V-2x6 PCIe connector
- Latest PCIe Gen 5 standard to support up to 2X power excursion
- Silent running 120mm FDB cooling fan
- Black embossed cable design.
- Full Japanese electrolytic capacitors
- High efficiency with Cybenetics Gold certification
- 24/7 continuous power output with 40°C operating temperature
- Compact design with a 140mm depth for easy integration

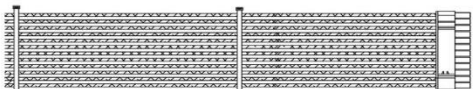
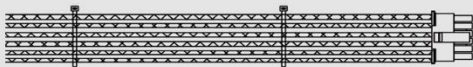
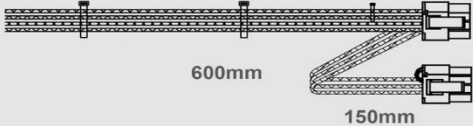
## Specifications

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.             | SST-TR1000R-GM                                                                                                                                                                                            |
| Model (on safety)     | SST-AX1000MCGD-C                                                                                                                                                                                          |
| Color                 | Black (lead-free paint)                                                                                                                                                                                   |
| Max DC output         | 1000W                                                                                                                                                                                                     |
| Power density         | 553.7W/L                                                                                                                                                                                                  |
| Combined +3.3, +5V    | 110W                                                                                                                                                                                                      |
| Combined +12V         | 1000W                                                                                                                                                                                                     |
| Input voltage         | 90 ~ 264 Vrms                                                                                                                                                                                             |
| Input frequency range | 47Hz ~ 63Hz                                                                                                                                                                                               |
| PFC                   | Active PFC (PF>0.9 at full load)                                                                                                                                                                          |
| Efficiency            | ≥87% & <89% overall efficiency                                                                                                                                                                            |
| MTBF                  | 100,000 hrs                                                                                                                                                                                               |
| Operating temperature | 0°C ~ 40°C                                                                                                                                                                                                |
| Protections           | Over power protection<br>Over current protection<br>Over voltage protection<br>Short circuit protection<br>Under voltage protection<br>Over Temperature protection                                        |
| Connectors            | 1 x 24 / 20-Pin motherboard connector<br>2 x 8 / 4-Pin EPS / ATX 12V connector<br>1 x 12+4-Pin 12V-2x6 connector<br>4 x 8 / 6-Pin PCIe connectors<br>8 x SATA connector<br>4 x 4-Pin Peripheral connector |
| Cooling system        | Single 120mm FDB fan                                                                                                                                                                                      |
| Form factor           | ATX (PS2)                                                                                                                                                                                                 |
| Noise Level           | 18 dBA minimum                                                                                                                                                                                            |
| Dimension             | 150mm (W) x 86mm (H) x 140mm (D)<br>5.91" (W) x 3.39" (H) x 5.51" (D)                                                                                                                                     |
| Weight                | 2.7 kg                                                                                                                                                                                                    |
| Certification         | Cybenetics Gold                                                                                                                                                                                           |

# Load Range

|                | +3.3V | +5V  | +12V  | +5VSB | -12V |
|----------------|-------|------|-------|-------|------|
| Max. (Amps)    | 20A   | 20A  | 83.3A | 3A    | 0.3A |
| Peak (Amps)    | /     | /    | /     | /     | 3A   |
| Min. (Amps)    | 0A    | 0A   | 0A    | 0A    | 0A   |
| Range (%)      | ±3%   | ±3%  | ±3%   | ±3%   | ±10% |
| Line reg. (%)  | ±1%   | ±1%  | ±1%   | ±1%   | ±1%  |
| Ripple (mVp-p) | 30mV  | 30mV | 40mV  | 30mV  | 50mV |

## Connectors / Cable

| Photo                                                                               | Type                              | Connector quantity per cable | Cable quantity | Length                                                                                                          |
|-------------------------------------------------------------------------------------|-----------------------------------|------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------|
|   | 24 / 20-Pin motherboard connector | 1                            | 1              | <br>600mm                   |
|  | 12V-2x6 connector                 | 1                            | 1              | <br>600mm                   |
|   | CPU 4+4P connector                | 1                            | 2              | <br>700mm                   |
|   | PCIe 6+2P connector               | 2                            | 2              | <br>600mm<br>150mm          |
|   | SATA connector                    | 4                            | 3              | <br>600mm 150mm 150mm 150mm |
|  | Peripheral 4P connector           | 4                            | 1              | <br>600mm 150mm 150mm 150mm |

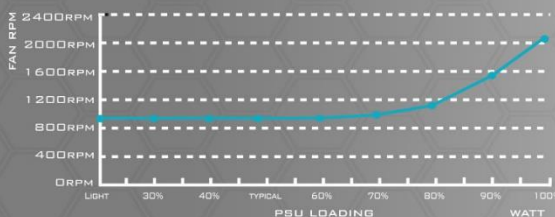


## Latest Generation Power Performance

Compliant with ATX 3.1 standards and supports up to 2X power excursion

## Silent 120mm FDB fan

Built-in 120mm fan has excellent airflow and low noise, perfect for quiet home or office use



## Fully modular design with universal EPS / PCIe connector interface

Triton 1000Rz features SilverStone's 3rd-generation modular interface, equipped with embossed cabling that offers remarkable flexibility, ensuring effortless and efficient cable folding and management.

