



# Thermaltake Toughpower iRGB PLUS 1050W Platinum – TT Premium Edition

\$339.99

## Product Images





## Short Description

The Thermaltake Toughpower iRGB PLUS 1050W Platinum features a patented 16.8 million colors RGB fan, 12 addressable single LEDs and high-tech components, made with leading technology and eco-friendly commendations. Coming with 80 PLUS Platinum certification and flat cable, Toughpower iRGB PLUS Platinum Series adopts the highest quality components and fully modular design that always accommodate any mainstream build under any circumstances.

The combination of Toughpower iRGB PLUS Platinum Series and three intelligent platforms – DPS G PC APP 3.0, DPS G Smart Power Management (SPM) Cloud 1.0, and DPS G Mobile APP 1.0 helps users not just monitor smart power supply units, but also save the energy, reduce CO2 emission, and eventually protect the Earth.

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## Features

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### Shimmering Your Build From Color to Color

The Toughpower iRGB PLUS Platinum Series is the best idea for users to go with when they are looking for an RGB PSU with remarkable functionality and aesthetics in all cases.

### Patented 16.8 Million Colors Ring PLUS 14 RGB Fan

The Toughpower iRGB PLUS Platinum Series is installed with a patented circular 16.8 million multi-colored 140mm fan. Users can freely adjust fan speed and customize the lighting effects with DPS G PC App.

### 12 Addressable RGB LEDs at Your Control

Featuring 12 addressable single LEDs, great light coverage, uniform color and brightness, users are allowed to easily configure the RGB lighting and freely adjust fan speed with Thermaltake DPS G PC App.

### Security Protection – Warning Alert & PC Off Remote Control

The SPM platform provides three alert functions: fan failure, over temperature (over 140°F/60°C), and abnormal voltage level (over/under 5% of normal level) warning alert. That will help users to reduce the possibility of overheating your internal components and burning the PC. When the abnormal activities occur, the warning message will be pushed to the mobile devices and email. The SPM platform allows users to turn off the computer remotely via mobile app when users receive the warning message.

### Security Protection – Schedule Shutdown

The Smart Power Management platform allows users to schedule the system to shutdown remotely through mobile App or cloud management. To save the energy and electricity cost, users could arrange the schedule to shutdown the system when the process is complete.

### Compact Design for Easy Installation

With its short depth of 160mm, Toughpower iRGB PLUS 1050W Platinum gives high compatibility to allow users for more room for cable routing, cooling and more.

## New Platform for Better Ripple Noise Performance and Steady Voltage Output

All new circuit design with PFC & LLC digital controllers efficiently reduces ripple noise and gives steady voltage output.

### < 30 mV Low Ripple Noise

All ripples are lower than 30mV for high stability on +12V, +5V, or +3.3V from 0% to 100% load to ensure a high quality power supply. Low ripple noise will keep your performance-critical components, such as high-end graphics cards, to operate reliably for longer.

### Extremely Strict Voltage Regulation < $\pm 2\%$

The voltage regulation of the PSU is set to no more than  $\pm 2\%$  for major rails to meet the highest performance. The strict voltage regulation of the Toughpower iRGB PLUS Platinum Series is better than Intel's standard  $\pm 5\%$  for major rails and  $\pm 10\%$  for -12V.

### 100% High Quality Japanese Capacitors

The Toughpower iRGB PLUS Platinum Series features 100% high quality Japanese brand capacitors, which greatly improves the durability and offers the highest stability and reliability.

### Fully Modular Cable Design

Fully modular power supply offers cable selection for users while powering the system at an advantageous voltage. Flat cable makes cable management easier, reduces clutter and increases airflow inside the chassis.

### Core Component: MCU

Toughpower iRGB PLUS Platinum Series comes with a 32Bit Microcontroller Unit (MCU) from Microchip Technology. The 32Bit MCU is a small computer on a single integrated circuit containing a processor core, memory, and programmable input/output peripherals. MCU can digitally control devices and processes, such as automobile engine control systems and office machines.

### Digital Control Board

Digital power supplies sport high-efficiency switching transistors that perform only necessary steps and waste less energy given off as heat. In short, digital power supplies do not dissipate power, which creates waste, and incorporate smaller, lighter transistors. Using smaller parts that work more efficiently enables Thermaltake to craft smaller and lighter power supplies, typically one of the bulkiest components in any PC.

### Massive and Dedicated +12V Output

Toughpower iRGB PLUS 1050W Platinum is equipped with a powerful single +12V rail.

### 80 PLUS Platinum-Certified and Kaby lake-Ready

Toughpower iRGB PLUS Platinum Series Power Supply with DPS G software delivers up to 94% efficiency under real-world load conditions, promising the lowest power losses. Additionally, this series has been optimized to work with Intel's new, seventh-generation Kaby lake processors to achieve maximum energy savings.

### TT Power VR Ready

Toughpower iRGB PLUS Platinum Series offers stable and sufficient output voltage for multiple VGA cards and high Capability of different VGA cards for VR system.

## DPS G PC APP 3.0: Smart Zero Fan

Aside from the silent and performance mode, DPS G PC APP 3.0 comes with the new Zero Fan mode to minimize the audible noise of your PC. The fan will be turned on around 40% of rated load to optimize the thermal performance and minimize the audible noise.

## Specifications

P/N	PS-TPI-1050F2FDPx-1
Short P/N	TPI-1050F2FDP
Model	TPI-1050DH3FCP
Type	ATX 12V v2.4 and EPS v2.92
Max. Output Capacity	1050W
Peak Output Capacity	1260W
Color	Black
Dimension ( W / H / D )	150mm(W) x 86mm(H) x 160mm(D)
PFC (Power Factor Correction)	Active PFC
Power Good Signal	100-500 msec
Hold Up Time	> 16msec at 100% of full load
Input Current	13A
Input Frequency Range	50Hz - 60Hz
Input Voltage	100V - 240V~
Operating Temperature	0°C to + 50°C
Operating Humidity	20% to 90%,non-condensing
Storage Temperature	-20°C to + 70°C
Storage Humidity	5% to 95%, non-condensing
Cooling System	14cm hydraulic bearing fan
Efficiency	Meet 80 PLUS®Platinum at 115Vac input.
MTBF	120,000 hrs minimum

Safety Approval	CE/cTUVus/TÜV/FCC/CCC/EAC /S-Mark
PCI-E 6+2pin	8

\* Specifications are subject to change without notice.

\* The product picture(s) is only for your reference, it may differ from the actual product.

## Additional Information

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Brand	Thermaltake
SKU	PS-TPI-1050F2FDPU
Weight	10.0000
Color	Black
PSU Type	ATX
PSU Style	Modular
PSU Wattage	1050W
PSU Efficiency	80 PLUS Platinum

