



MEGA™

Unrivaled Power, Unmatched Stability



Ultimate Power Flexibility for High-Performance Graphics Cards

With versatile PCIe 8-pin and native 12V-2x6 connectors, the MEGA TI series delivers unmatched flexibility in power configurations.

It's perfectly suited for powering even the most demanding NVIDIA or AMD graphics cards, guaranteeing stable and reliable performance under heavy workloads.

Whether you're gaming, creating content, or tackling other intensive tasks, you can configure your system with total confidence.

FSP Interleaved PFC Maximum Efficiency, Minimal Heat

The FSP MEGA TI series utilizes FSP Interleaved PFC, boosting efficiency up to 95% while cutting heat by 10-15°C. It reduces ripple by 50%, ensures stable power delivery, and extends component lifespan—making it the ultimate choice for high-performance systems.

Feature	Standard Active PFC	FSP Interleaved PFC	Advantage
Efficiency	80-85%	Up to 95%	Up to 7% higher
Ripple & Noise	50-60mV	<20mV	30% less noise
Heat Generation	Higher	Lower	10-15°C cooler
Power Stability	Good	Excellent	Reduced ripple & noise
Component Lifespan	Standard	Extended	More durable



Fully Modular with Embossed Cabling Design

The MEGA TI series prioritizes user convenience, offering high-quality embossed cables that are soft, flexible, and easy to install. These cables can be neatly routed to minimize clutter, making the installation process smoother and significantly improving system airflow. By using only the cables you need, you can keep your setup clean and organized, boosting both aesthetics and performance.

High Efficiency in Titanium-certified



The MEGA TI series holds the prestigious 80 PLUS® Titanium certification, awarded by globally recognized organizations.

The elite certification signifies the highest standards in energy efficiency, ensuring lower power consumption, minimal heat generation, and whisper-quiet operation.

Users can trust that their systems will run cooler, quieter, and more efficiently, contributing to a superior computing experience.

ATX 3.1

Complies with Intel® Power Supply Design Guide ATX 3.1

The MEGA TI series is fully compliant with the latest ATX 3.1 standard, offering robust support for up to 200W power reserves. This ensures that even the most demanding power spikes are handled with ease.

Additionally, the evolution of the new PCIe 12V-2x6 connector interface guarantees peak performance and seamless integration with upcoming hardware advancements, allowing users to future-proof their systems with confidence.



Whisper-Quiet Zero RPM Mode

When load levels drop below 40%, the Zero RPM mode activates when the eco sense fanless switch is turned on. This ensures the fan remains off, providing completely silent operation and quieter workload. At system startup, the 150mm fluid dynamic bearing fan powers up, delivering efficient cooling while a durable design minimizes the fan's footprint. This approach offers an ideal balance between silent and cooling performance.

- OVP: Over Voltage Protection
- OCP: Over Current Protection
- OPP: Over Power Protection
- OTP: Over Temperature Protection
- SCP: Short Circuit Protection
- UVP: Under Voltage Protection
- SIP: Surge and Inrush Protection
- NLO: No Load Operation

Complete Protection OVP, OCP, OPP, OTP

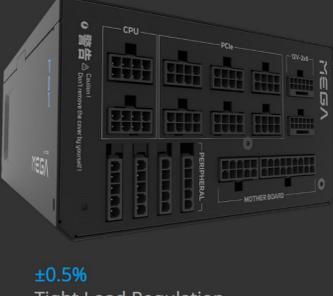
Featuring a comprehensive circuit protection system, meticulously designed to safeguard your valuable components from potential electrical hazards. This advanced protection system shields against overvoltage, under-voltage, overcurrent, and short circuits, ensuring that your system remains safe and operational even under extreme conditions.

Off-Wet, Off-Dust, and Off-Stain



A conformal coating shields the PCB, guarding it against harsh environmental conditions. This protective layer ensures reliable component performance even in extreme settings with up to 95% relative humidity.

Whether you're in a humid climate or a dusty area, you can trust your power supply to perform at its best, providing peace of mind and long-term reliability.



±0.5% Tight Load Regulation

FSP MTLCC (Micro Tolerance Load Control)

is an advanced design that enables processors and graphics cards to perform high-speed AI calculations efficiently, minimizing delays caused by power surges or sudden load changes. With superior load regulation of just 0.5%, keeping the busy chip's temperature, the advanced design achieves stable voltage delivery, enhances power supply efficiency, and improves the performance and reliability of sensitive electronic components.

The precise control reduces power consumption, heat generation, and voltage fluctuations, ultimately extending the lifespan of both the power supply and the device it powers.



Compact Power, Full Performance: The MEGA TI Series

Industry standard of 80-200mm



At just 100mm long, the MEGA TI series is shorter than the industry standard, which usually ranges from 150 to 200mm. This compact design makes it perfect for small PC or edge cases. Despite its smaller size, the MEGA TI series delivers the same high-quality power and efficiency as larger units, making it an excellent choice for any build.

ATX 3.1 | PCIe 5.1

CONFORMAL COATING

FULLY MODULAR

CYBENETICS LAMBDA

80 PLUS TITANIUM

LLC TOPOLOGY

MEGA TI

CYBENETICS TITANIUM

Infinion MOS 150-250V

RECYCLABLE

FDB BEARING 135mm FAN

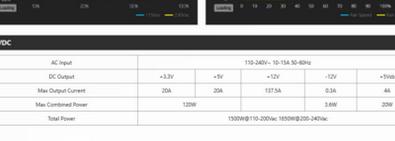
ZERO RPM

JAPANESE ELECTROLYTIC CAPACITORS

SINGLE POINT REGULATOR

Connector	Cable Information	Length
MB 20+4 PIN	1 cable 1 connector	600mm
CPU 4+4 PIN	1 cable 2 connectors	600mm
PCIe 6+2 PIN	6 cables 6 connectors	600mm
PCIe 12V-2x6	1 cable 2 connectors	100mm
SATA	1 cable 4 connectors	500mm 500mm 500mm 500mm
MOLEX	1 cable 4 connectors	500mm 500mm 500mm 500mm
MOLEX / SATA	1 cable 2xMOLEX 2xSATA	500mm 500mm 500mm 500mm

[MEGA TI] The New Flagship Titanium-certified 1650W/1300W Power Supply | FSP



ACDC		110-240V ~ 10-16A 50-60Hz
AC Output	±3.0V	±0.1
Max Output Current	28A	187.5A
Max Combined Power	1200W	3.5kW
Total Power	1650W@110-230V; 1530W@230-240V	

SPECIFICATIONS

Model	MEGA-1650T1
Rated Output Power	1650W
Power Factor	ATX12V V3.1
80 PLUS Certification	Titanium
Cybenetics Certification	Titanium
Cybenetics Lambda	4++
Input Voltage	110-240V
Input Current	10-15A
Input Frequency	50-60Hz
PFC	1.95, at typical load
Efficiency (typical load)	95%
Fan Type	Fluid Dynamic Bearing, 135mm
Dimensions (W x H x D)	100x150x88mm
Operation Temp.	0°C
Protection	OVP, OCP, OPP, OTP, SCP, UVP, SIP, NLO
Warranty	10 Years