Fractal

Ion 3 Gold

English version

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Ion 3 Gold

The power of silence.

Ion 3 Gold delivers efficient, stable power in a compact, fully modular design built for modern gaming systems. Engineered to meet the latest ATX12V 3.1 standard, it supports next-generation components with native PCIe Gen 5 12V-2×6 connectivity for dependable GPU performance. Its noise-reducing design features a 140 mm Momentum fan with fluid dynamic bearing and an optional Zero RPM Mode for near-silent operation under lighter loads. With 80 PLUS Gold efficiency, premium 105°C Japanese capacitors, and a 10-year warranty, Ion 3 Gold ensures lasting performance and peace of mind.

Key features

▶ ATX12V 3.1 compatibility for next-gen components with GPU power excursion support to ensure stability with upcoming graphics cards.

▶ 16-pin PCIe Gen 5 12V-2×6 cable provides native GPU power with shortened sense pins for a reliable, secure connection.

▶ 80 PLUS Gold certified for high efficiency with optimized power delivery for reduced heat output.

▶ Fully modular design simplifies installation and minimizes system clutter.

▶ Powerful 140 mm Momentum fan with fluid dynamic bearing delivers quieter, cooler performance.

▶ Zero RPM Mode option allows fan deactivation under lighter loads for near-silent operation.

▶ UltraFlex cables offer superior flexibility for easy routing and clean cable management.

▶ High-quality Japanese 105 °C capacitors ensure reliability and long-term durability.

▶ Comes with a 10-year warranty and full electrical protection suite for peace of mind.

Specifications

Specification	1000/850/750W Black	1000W White
PSU specification compliance	ATX12V 3.1	ATX12V 3.1
Efficiency Certification	80PLUS® Gold	80PLUS® Gold
Modular cables	Fully modular	Fully modular
Fan type	Momentum 14 series fan, with Fluid Dynamic Bearing	Momentum 14 series fan, with Fluid Dynamic Bearing
Semi-passive operation	Yes, user selectable (Zero RPM mode)	Yes, user selectable (Zero RPM mode)
Unit measurements	150x150x86 mm	150x150x86 mm
DC cable type	UltraFlex, flat cables	UltraFlex, flat cables
PSU color	Black	White
Cable color	Black	White
Electrolytic capacitors	105°C Japanese capacitors	105°C Japanese capacitors
Topology type	LLC, Synchronous Rectifier and DC-DC conversion	LLC, Synchronous Rectifier and DC-DC conversion
Number of 12V rails	Single 12V rail	Single 12V rail
Protection features	Over Power Protection (OPP)	Over Power Protection (OPP)
	Over Voltage Protection (OVP)	Over Voltage Protection (OVP)
	Under Voltage Protection (UVP)	Under Voltage Protection (UVP)
	Short Circuit Protection (SCP)	Short Circuit Protection (SCP)
	Over Current Protection (OCP)	Over Current Protection (OCP)
	Over Temperature Protection (OTP)	Over Temperature Protection (OTP)

Specifications

Specification	1000/850/750W Black	1000W White
Life expectancy (MTBF)	100 000 h (25°C ambient temperature)	100 000 h (25°C ambient temperature)
Modern sleep state compatibility	C6 and C7 compatible	C6 and C7 compatible
Power factor correction (PFC)	Yes, active	Yes, active
Input voltage	100-240 V	100-240 V
Standby efficiency	≥ 45% ErP Lot 6 compliant	≥ 45% ErP Lot 6 compliant
Maximum operating temperature	40°C (full load) 50°C (80% load)	40°C (full load) 50°C (80% load)
Approvals & Certifications	CE, UKCA, BSMI, CCC, FCC, TUV, cULus, RCM, ICES, CB, KC	CE, UKCA, BSMI, CCC, FCC, TUV, cULus, RCM, ICES, CB, KC
Warranty	10 years	10 years

Specifications

Included modular cables	750W	850W	1000W (both colors)
ATX 24 pin, 600 mm	1	1	1
ATX 12V 4+4P, 700 mm	2	2	2
PCI-E 6+2 pin, 650 mm	3	3	3
PCI-E Gen5 12V-2x6, 700 mm	1	1	1
4x SATA, 400+150+150+150 mm	1	1	2
2x SATA 650+150 mm	1	1	1
Total number of SATA connectors	6	6	10
2x Peripheral (Molex) 650+150 mm	1	1	1
Total number of Molex connectors	2	2	2

Package contents

All models

Ion 3 Gold power supply unit

Modular cables

Accessory kit

User manual

Power cord (regional)

Additional information

Product	SKU	EAN	UPC
Ion 3 Gold 750W Black	FD-P-IA3G-750	7340172710257	843276110253
Ion 3 Gold 850W Black	FD-P-IA3G-850	7340172710264	843276110260
Ion 3 Gold 1000W Black	FD-P-IA3G-100	7340172710271	843276110277
Ion 3 Gold 1000W White	FD-P-IA3G-101	7340172710288	843276110284

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Thank you!