

Integra R2 Series



Fractal Design Integra R2 Series power supply units (PSUs) provide stable power at an entry-level price. The Integra R2 is a great choice for medium-performance gaming computers and workstations.

The visual appearance of Integra R2 Series PSUs is proof of Fractal Design's commitment to providing innovative computer components infused with stylish, elegant, contemporary Scandinavian design.

Key features

- 80PLUS® Bronze
- Silent, temperature controlled fan
- Impressive protection suite
- Extremely compact case
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80 PLUS® Bronze certified efficiency

Integra R2 PSUs meet the 80 PLUS® Bronze specification for providing power with an efficiency that is typical of PSUs with much higher price points. Additionally, because Integra R2 PSUs generate less heat, they provide power at lower fan speeds, which results in reduced noise levels.

Excellent Electrical Performance

Fractal Design Integra R2 Series PSUs feature excellent DC voltage regulation and ripple suppression: they can deliver their full-rated wattage continuously even with an intake temperature as high as 40°C.

Compliant with the latest standards

Integra R2 PSUs are compliant with the latest PC PSU standard: ATX12V 2.31.

Extremely short 140 mm case

Integra R2 PSUs are only 140mm long, which accommodates the smallest ATX-compatible computer cases on the market.

Silent, temperature-controlled 120mm fan

Generally, larger fans move more air with less noise than smaller fans: Integra R2 Series PSUs are equipped with a large, low speed, temperature controlled 120mm fan, which keeps noise level down.

Extra-long ATX12V cable

Integra R2 PSUs are equipped with a 650mm long 12V ("P4") connector cable, which accommodates bottom-mounted-PSU computer cases.

Computer protection

Integra R2 PSUs feature an impressive suit of computer protection, including: Over Power Protection, Over Voltage Protection, Short Circuit Protection, Under Voltage Protection and Over Current Protection.

General specifications

| | |
|--|----------------------------|
| Wattage range | 500-750W |
| 80PLUS® Certification | Bronze |
| Modular cables | No |
| Fan type | 120mm sleeve bearing |
| Maximum operating temperature at full load | 40°C |
| Semi-passive operation | No |
| Capacitors | Taiwanese |
| Colors Available | Black |
| Case dimensions - W x H x D (mm) | 150 x 86 x 140 |
| Life expectancy (MTBF) | 100,000 hours at full load |
| PSU specification compliance | ATX 2.31 |
| Package dimensions - W x H x D (mm) | 187 x 158 x 165mm |
| Warranty | 3 Years |

Power Specification

AC Input

| | 500W | 650W | 750W |
|---------------------|-------------|------|------|
| Voltage | 100-240V AC | | |
| Frequency | 50-60 Hz | | |
| Current (115V/230V) | 10A/5A | | |

DC Output

| | 500W | 650W | 750W |
|----------------------|------|------|------|
| 3.3V | 24A | | |
| 5V | 15A | | 20A |
| 3.3V and 5V combined | 120W | | 150W |
| 12V1 | 25A | 30A | 30A |
| 12V2 | 20A | 22A | 30A |
| 12V Combined | 444W | 576W | 672W |
| -12V | 0.3A | | |
| 5V Standby (+5Vsb) | 3A | | |
| Total Power | 500W | 650W | 750W |

Cable configuration

| Connector type | Quantity | | |
|-----------------------|----------|------|------|
| | 500W | 650W | 750W |
| ATX 20+4 pins | 1 | | |
| ATX12V/EP12V 4+4 pins | 1 | | |
| PCI-E 6+2 pins | 1 | 2 | 4 |
| SATA | 5 | 6 | |
| Peripheral | 2 | | |
| Floppy | 1 | | |

Package contents

- Integra R2 Power supply unit
- User manual
- Mounting screw pack
- Velcro cable tie & zip ties
- AC power cord (localized)

Additional information

500W

- EAN/GTIN-13: 7350041080800
- UPC: 817301010801
- Product code: FD-PSU-IN2B-500W
- Masterbox quantity: 4pcs

650W

- EAN/GTIN-13: 7350041080817
- UPC: 817301010818
- Product code: FD-PSU-IN2B-650W
- Masterbox quantity: 4pcs

750W

- EAN/GTIN-13: 7350041080954
- UPC: 817301010955
- Product code: FD-PSU-IN2B-750W
- Masterbox quantity: 4pcs