Antec Power Supply Calculator

The total PSU Wattage this tool recommends will give a general idea of the range of <u>continuously available</u> power (*not* peak power) at which you should be looking. But if you are planning to build a high end gaming system, total Amperage available on the +12V rails—and how that capacity is distributed—could be as or more important than total Watts of power.
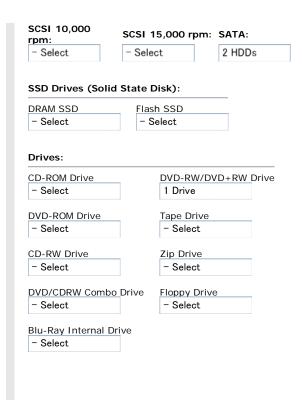
So once you have established the likely power needs of your system, please make sure that any PSU you buy will provide sufficient Amps of current on the various rails for all of your devices, and that it will have the proven reliability, service and support you deserve.

Recommended PSU Wattage: * **291 w**

[Calculate] [Reset] [Print]

System Type: [1]

[Single Socket]

Attention: Dual or Quad Sockets means you have more than one physical CPU (AMD 4x4 for example, or server board with 2 or more processors).

Motherboard:

[Regular – Desktop]

In case of No ATX +12V board +5V rail will be used to generate CPU voltage (Socket A and Socket 423).

CPU:

[Intel Core 2 Quad Q9550 2833 MHz Yorkfield]

CPU Utilization (TDP [2]):

[85% TDP (recommended)]

Overclock my CPU! ☑

Stock CPU speed (MHz)	2833
Stock Vcore (V)	1.2
Overclocked CPU speed (MHz)	3200
Overclocked Vcore (V)	1.3

[Overclock] **Overclocked CPU Wattage:** [126]

Please use Overclock button to generate OC Wattage

RAM:

[2 Sticks DDR2 SDRAM] ☐ FB DIMMs ?

Video Card:

[ATI Radeon HD 2400 Pro 128MB]

Video Type:

[Single Card]

Hard Drives:

IDE 5400 rpm:	IDE 7200 rpm:	SCSI 7200 rpm:
– Select	– Select	– Select

PCI Cards:

☐ 56K PCI Modem	☐ PCI NIC
☐ Sound Blaster - All Models	☐ PCI IDE Card
☐ Sound Blaster w/ Front Bay	☐ PCI IDE RAID Card
☐ TV Tuner - Satellite	☐ PCI SCSI Card
☐ TV Tuner - Cable	☐ PCI SCSI RAID Card
☑ TV Tuner - Antenna	☐ PCI SATA RAID Card

Additional PCI Card (avg):

[– Select]

Additional PCI Express Cards:
Exclude Video Card(s) from this list.

PCI-e x1	PCI-e x4	PCI-e x8	PCI-e x16
– Select	– Select	– Select	– Select

External Devices:
(Only check if device draws power from the system)

USB:	FireWire:
2 Devices	– Select

Other Devices:

☐ Fan Controller
☐ Front Bay Card Reader
☐ Front Bay LCD Display

Cold Cathodes:

[– Select]

Fans	Regular	LED	High Perf.
80mm	3 Fans	– Select	– Select
92mm	– Select	– Select	– Select
120mm	– Select	– Select	– Select
140mm	– Select	– Select	– Select
250mm	– Select	– Select	

TEC Coolers:
(Including liquid cooling kits with TEC)

[– Select]

Water Cooling:

SCSI 10,000 rpm:

- Select

SCSI 15,000 rpm:

- Select

SATA:

2 HDDs

SSD Drives (Solid State Disk):

DRAM SSD

- Select

Flash SSD

- Select

Drives:

CD-ROM Drive

- Select

DVD-RW/DVD+RW Drive

1 Drive

DVD-ROM Drive

- Select

Tape Drive

- Select

CD-RW Drive

- Select

Zip Drive

- Select

DVD/CDRW Combo Drive

- Select

Floppy Drive

- Select

Blu-Ray Internal Drive

- Select

(Only devices that draw power from the system)

Water Pumps

- Select   1st Pump

- Select   2nd Pump

Water Cooling Kit:

- Select

Pump Relay:

- Select

Power Supply Adjustments

System Load: [3]

90% (recommended)

100% peak load - ALL components are at 100% load.

Capacitor Aging: [4]

20%

Other Hardware: Keyboard & Mouse (included)

Recommended PSU Wattage: [*]   291 w

Calculate   Reset   Print

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[1] System Type: Based on physical processor(s). Multicore CPU counts as a single processor.

[2] TDP - Thermal Design Power.

[3] System Load: 100% (peak load) - all components are at 100% load, including start up surge current compensation.

[4] Electrolytic capacitor aging. When used heavily or over an extended period of time (1+ years) a PSU will slowly lose some of its initial wattage capacity. We recommend you add 20% if you plan to keep your PSU for more than 1 year, or 25-30% for 24/7 usage and 1+ years.

[*] See our Terms of Service for details.