



eXtreme Power Supply Calculator - The only power supply calculator trusted by PSU manufacturers and computer enthusiasts.

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eXtreme Power Supply Calculator Lite

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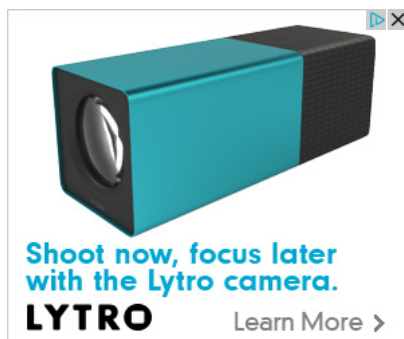
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The eXtreme Power Supply Calculator contains 1300+ CPUs including latest processors from Intel and AMD, latest graphics cards from NVIDIA, AMD and more!

ATTENTION:

The recommended total Power Supply Wattage gives you a general idea on what to look for BUT it is NOT a crucial factor in power supply selection! **Total Amperage Available** on the **+12V** Rail(s) is the most important, followed by the **+5V** amperage and then the **+3.3V** amperage.

eXtreme Power Supply Calculator Pro version contains Amperage per +12V, +5V and +3.3V power supply rails, recommended UPS rating, multiple video cards and more. See the [Features Comparison table here](#).



Minimum PSU Wattage:

211 W

Recommended PSU Wattage:

261 W

Calculate

Reset

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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:

8 Devices

FireWire:

- Select

Other Devices:

Fan Controller

Front Bay Card Reader

Front Bay LCD Display

Cold Cathodes:

- Select

Fans Regular LED High Perf.

80mm

1 Fan

- Select

- Select

92mm

- Select

- Select

- Select

120mm

- Select

- Select

- Select

140mm

- Select

- Select

- Select

250mm

- Select

- Select

- Select

TEC Coolers:

(Including liquid cooling kits with TEC)

- Select

Water Cooling:

(Only devices that draw power from the system)

Water Pumps

- Select

1st Pump

- Select

2nd Pump

Water Cooling Kit:

- Select

Pump Relay:

System Type: 1

1 physical CPU

Attention: A single Dual or Quad CORE CPU is still 1 physical CPU!

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 Brand:

Intel

CPU Socket:

Socket LGA 1155

CPU:

Intel Core i7-3770K 3500 MHz Ivy Bridge

CPU Utilization (TDP 2):

90% TDP (recommended)

Overclock my CPU!

Stock CPU speed (MHz)

3500

Stock Vcore (V)

1.25

Overclocked CPU speed (MHz)

Overclocked Vcore (V)

Overclock

Overclocked CPU Wattage:

Please use Overclock button to generate OC Wattage

RAM:

4 Sticks DDR3 SDRAM

FB DIMMs ?

Video Cards:

Video Brand:

AMD

Video Card 1:

AMD Radeon HD 7750

Video Card 2:

- Select

Video Card 3:

- Select

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XOV Tools



eXtreme Flow Designer

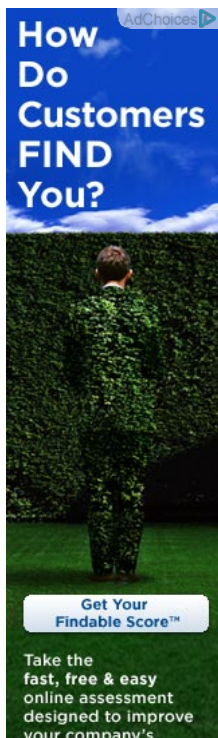
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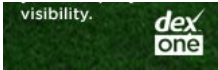


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Video Card 4:
- Select

Video Type:
- Select

Physics Processing Unit:
- Select

Hard Drives:

IDE 5400 rpm: - Select **IDE 7200 rpm:** - Select **SCSI 7200 rpm:** - Select

SCSI 10,000 rpm: - Select **SCSI 15,000 rpm:** - Select **Regular SATA:** - Select

High rpm SATA: - Select **Green SATA:** 1 HDD

SSD Drives (Solid State Disk):

DRAM SSD: 1 Drive **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 **Blu Ray BD-RE/DVD/CD:** - Select

- Select

Power Supply Adjustments

System Load: ³
90% (recommended)

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

Capacitor Aging: ⁴
- Select

Other Hardware: Keyboard & Mouse (included)



Minimum PSU Wattage: 211 W
Recommended PSU Wattage: ^{*} 261 w

¹ System Type: Based on physical processor(s) or # of sockets. Multicore CPU counts as a single processor. For example: for a single Core 2 Duo you should select 'Single Socket' as System Type.
² TDP - Thermal Design Power. We recommend 85-90% since it is very rare that CPU will utilize 100% of TDP.
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 power supply will slowly lose some of its initial wattage capacity. We recommend you add 10-20% if you plan to keep your PSU for more than 1 year, or 20-30% for 24/7 usage and 1+ years.
^{*} See our Terms of Service for details.
^{**} Recommended UPS rating is based on the selected components only and does not include monitor, printer or any other electronic devices that are not a part of the eXtreme Power Supply Calculator.