Part Dependencies

**Motherboard Dependencies**

**Motherboard & RAM**:

Speed in MHZ

Type (DDR3, DDR2 etc.)

Number of memory slots

Max memory supported (8GB, 12GB, etc.)

**Motherboard & CPU**:

Socket type (1336, AM3, etc.)

Front side bus speed

**Motherboard & CPU Fan**:

Socket type (1336, AM3, etc.)

**Motherboard & Graphics Card**:

Number of PCI-Ex16 slots

Speed of PCI-Ex16 slots

**Motherboard & Hard Drives**:

Number of hard drive ports

Type of hard drive ports

**Motherboard & Disc Drive**:

Number of drive ports

Type of drive ports

**Motherboard & Power Supply**:

Motherboard power pin number (20 pin, 24 pin)

**Motherboard & Case**:

Motherboard size compatibility (ATX, Micro ATX, etc.)

**CPU Dependencies**

Those listed in motherboard dependencies

**CPU & Power Supply**:

CPU Power pin number (4 pin, 8 pin)

**CPU FAN Dependencies**

Those listed in motherboard dependencies

**CPU Fan & Case**:

Fan height less then case width

**Graphics Card Dependencies**

Those listen in motherboard dependencies

**Graphics Card & Graphics Card**:

Same exact type

Crossfire / SLI compatible

**Graphics Card & Power Supply**:

Graphics Card power pin number (2x6 pin, 8 pin, 2x8 pin, etc.)

**Graphics Card & Case**:

Case bay length greater than graphics card length

**RAM Dependencies**

Only those listed in motherboard dependencies

**Hard Drive Dependencies**

Those listed in motherboard dependencies

**Hard Drive & Case**:

Number of HDD bay slots

Type of HDD bay slots (2.5 in', 3.5 in')

**Hard Drive & Power Supply**:

Power connectors (SATA or Molex a.k.a. Peripheral)

**Disc Drive Dependencies**

**Disc Drive & Power Supply**:

Power connectors (SATA or Molex a.k.a. Peripheral)

**Disc Drive & Case**:

Number of Disc Drive bay slots

**Power Supply Dependencies**

Those listed in disc drive, hard drive, motherboard, graphics card, and cpu dependencies.

**Power Supply & All Internal Components**:

The sum of the wattage of each component is less than wattage of power supply

**Case Dependencies**

Only those listed in motherboard, disc drive, hard drive, graphics card, and cpu fan dependecies.

**Monitor Dependencies**

**Monitor & Graphics Card**:

Correct port type (VGA, DVI)