

# Silicon Graphics™ 750 Quick Start Guide

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**CONTRIBUTORS**

Written by Eric Zamost et al.

Illustrated by Dan Young

Production by Glen Traefald

Contributions by Charles Alexander, Carter Anderson, Paul Davison, Tom Dye, Jim Gath, Mary Jane Isaacson, Brian Stickney, Susan Tellep, Eric Wang, Audy Watson, and Will Woodford

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## Record of Revision

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# Silicon Graphics 750 Quick Start Guide

This guide provides basic system setup information, from unpacking to booting your Silicon Graphics 750 system, as follows:

- “Unpacking and Inspecting the System” on page 2
- “Physical Specifications” on page 2
- “Power Consumption” on page 3
- “Choosing a Site” on page 4
- “Connecting External Devices” on page 5
- “Using Chassis Front Controls and Indicators” on page 7
- “Starting the System” on page 9
- “Power-on Problems” on page 9

See the *Silicon Graphics 750 User's Guide* (SGI part number 007-4291-xxx) for more detailed information, including additional configuration information, BIOS settings, and troubleshooting information.

To obtain SGI documentation using the World Wide Web, see the SGI Technical Publications Library at <http://techpubs.sgi.com>. Enter a keyword search, or search by title to find the information or manual you need.

## Unpacking and Inspecting the System

Remove the Silicon Graphics 750 system from the packaging container and check that the following items are included:

- Silicon Graphics 750 system
- *Silicon Graphics 750 Quick Start Guide* (this document)
- Silicon Graphics 750 Documentation CD

Inspect the above items for evidence of mishandling during transit. If the contents appear damaged, file a damage claim with the carrier immediately.

Save the boxes and packing materials for future use.

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**Note:** If your system ships with software or media not listed above, please see its accompanying documentation for installation instructions.

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**Warning:** To avoid personal injury when unpacking the system, use only a mechanical assist unit to lift the system off the shipping pallet. The system weighs approximately 84 pounds (38 kilograms).

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## Physical Specifications

Table 1 shows the physical specifications for the Silicon Graphics 750 system.

**Table 1** Silicon Graphics 750 Physical Specifications

Feature	Specification
Dimensions:	
height	17.9 in. (45.5 cm)
width	9.9 in. (25.2 cm)
depth	24.9 in. (63.3 cm)
Weight (maximum configuration)	84 lbs. (38.1 kg)

**Table 1 (continued)** Silicon Graphics 750 Physical Specifications

Feature	Specification
Temperature	
operating	+10 °C (+50 °F) to +35 °C (+95 °F)
non-operating	-40 °C (-40 °F) to +70 °C (+158 °F)
Humidity (non-operating)	< 95% RH, non-condensing
Shock (non-operating):	
unpacked	35 G, 200 inches/second (all axes)
packed	18 inch drop height: 6 surfaces, 3 edges, 1 corner
Vibration (non-operating):	
unpacked	3 to 200 Hz, 1.15 G rms
packed	3 to 200 Hz, 1.15 G rms

## Power Consumption

The Silicon Graphics 750 power supply is rated for a maximum input AC power consumption of 800 watts (7.5 amps at 100 Volts, 3.75 amps at 220 volts).

A fully loaded Silicon Graphics 750 system has a maximum input AC power consumption of 500 watts (510 volt-amps, 4.6 amps at 110 Volts, 2.3 amps at 220 volts).

## Choosing a Site

The Silicon Graphics 750 operates reliably within normal office environments. Select a site that meets these criteria:

- Near a properly earthed, grounded, three-pronged power outlet, as follows:
  - In the U.S. and Canada: a NEMA 5-15R outlet for 100-120 V or a NEMA 6-15R outlet for 200-240 V.
  - In other geographic areas: a properly earthed, grounded outlet in accordance with the local electrical authorities and electrical code of the region.
- Clean and relatively free of excess dust.
- Well-ventilated and away from sources of heat, with the ventilation openings on the system kept free of obstructions.
- Away from sources of vibration or physical shock.
- Isolated from strong electromagnetic fields and line noise caused by electrical devices such as elevators, copy machines, air conditioners, large fans, large electric motors, radio and TV transmitters, and high-frequency security devices.
- Access space provided so the power cords can be unplugged from the power supply or the wall outlet. This is the only way to remove AC power from the system.
- Clearance provided for cooling and airflow.

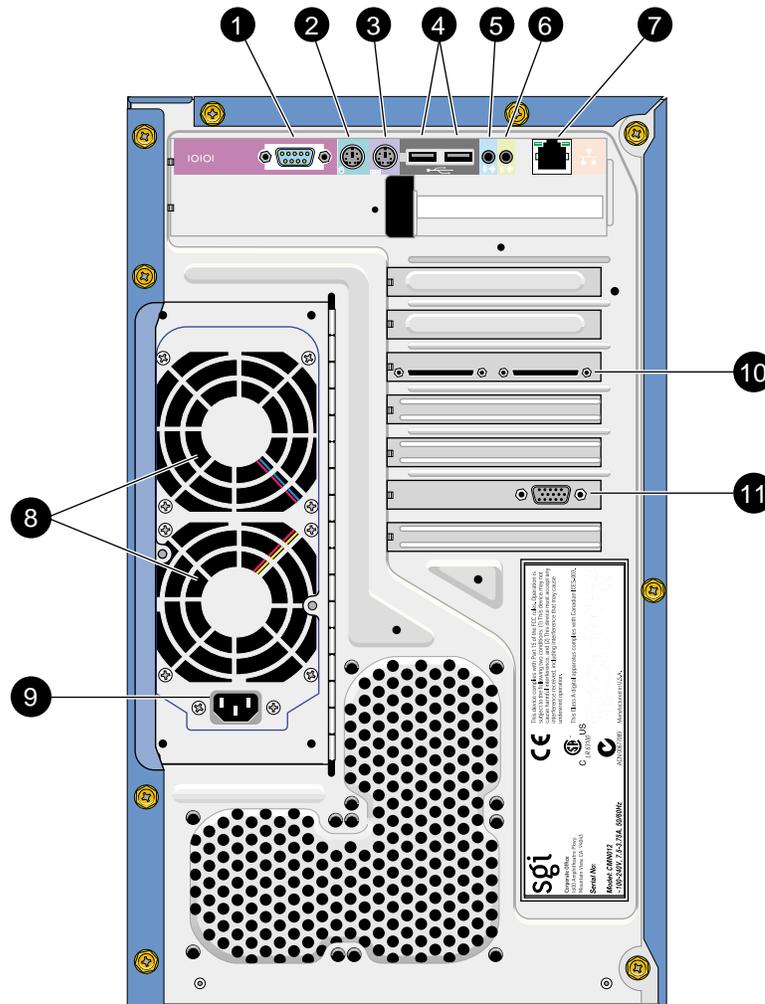


**Caution:** In regions that are susceptible to electrical storms, it is recommended that you plug your system into a surge suppressor and disconnect any telecommunication lines during electrical storms.

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## Connecting External Devices

Connect the monitor, keyboard, mouse, and other external devices to their appropriate ports, as illustrated in Figure 1 and described in Table 2.



**Figure 1** Rear Panel I/O Ports and Features

Table 2 describes the rear panel I/O ports and features that are indicated in Figure 1.

**Table 2** Rear Panel I/O Ports and Features

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<b>Number</b>	<b>Item</b>
1	9-pin serial port
2	PS/2-compatible mouse connector
3	PS/2-compatible keyboard connector
4	USB ports (2)
5	Line input port
6	Line output port
7	LAN (10baseT/100baseTX Ethernet)
8	Cooling fans
9	AC power input socket
10	Disk adapter: QLogic 12160 PCI SCSI HBA (LVD 160 MB/s (Ultra3) or SE Fast-20)
11	Video output

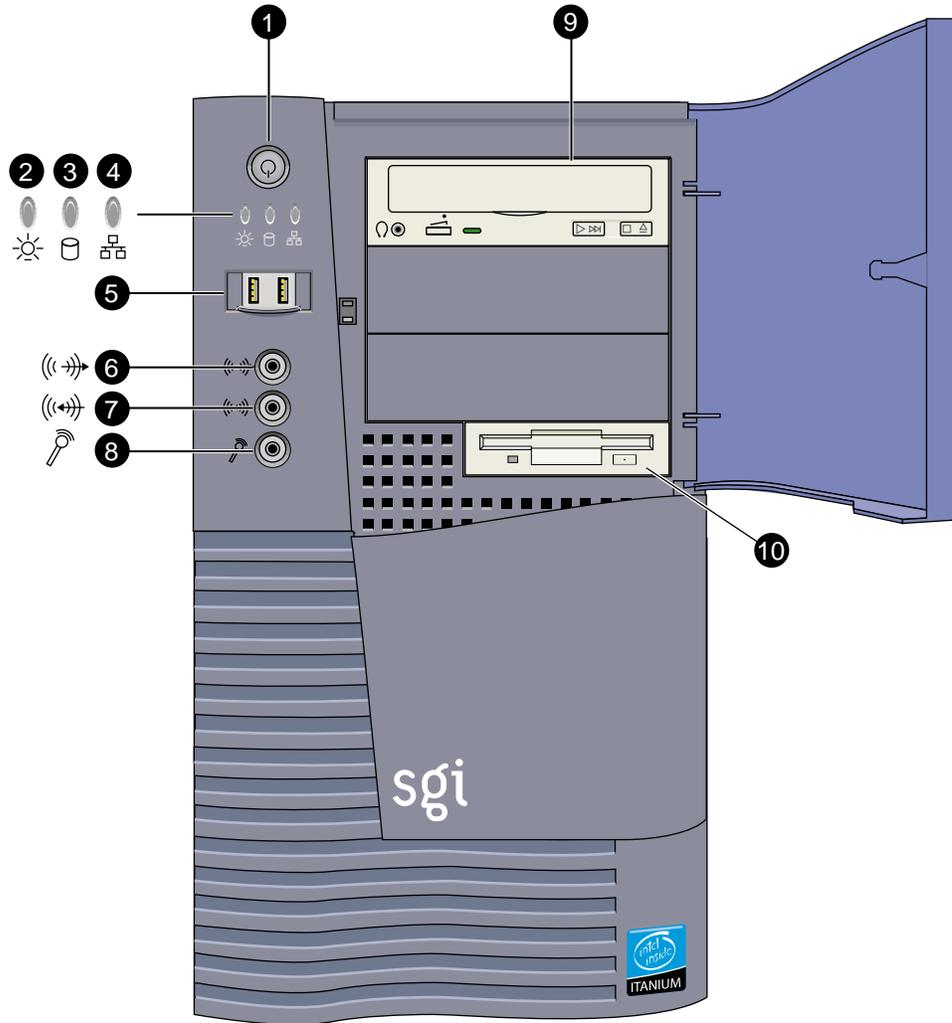
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**Note:** The Silicon Graphics 750 system has a QLogic 12160 SCSI Host Bus Adapter installed with two external SCSI connectors accessible from the system rear panel. The components in Figure 1 are for illustration purposes only. The actual card location may vary slightly.

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## Using Chassis Front Controls and Indicators

Figure 2 shows the locations of the front controls and indicators.



**Figure 2** Front Controls and Indicators

Table 3 describes the front controls and indicators that are shown in Figure 2.

**Table 3** Front Controls and Indicators

<b>Number</b>	<b>Item</b>
1	Power switch
2	Power LED
3	Hard drive activity LED
4	LAN LED
5	USB ports (2)
6	Line output port
7	Line input port
8	Microphone input port
9	CD-ROM drive
10	3.5-inch SuperDisk drive (compatible with 1.44MB and LS-120 diskettes)

## Starting the System

After making sure that you have set up the system properly and connected all the required cables, you may now power on the system by pressing the power button.

The system starts and displays a welcome message. After that, a series of power-on self-test (POST) messages appear. The POST messages indicate whether or not the system is running correctly.

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**Note:** If the system does not turn on or boot after pressing the power button, see the next section (“Power-on Problems”) for the possible causes of the boot failure.

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## Power-on Problems

If the system does not boot after you have applied power, check the following factors that might have caused the boot failure:

- The external power cable may be loosely connected.  
Check the power cable connection from the power source to the power socket on the rear panel. Make sure that the cable is properly connected and in good condition.
- No power comes from the grounded power outlet.  
Ask an electrician to check your power outlet.

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**Note:** If you have performed the preceding actions and the system still fails to boot, ask your dealer or a qualified technician for assistance.

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