HP Consumer Support

Motherboard Specifications, L4S5MG3 (K2)

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Motherboard specifications table

Feature/Specification	Description
Motherboard Description	- Manufacturer's Name – ECS L4S5MG3 - HP/Compaq Name – K2
Motherboard Supplier	ECS (Elitegroup Computer Co., LTD.)
System BIOS Supplier	Award
Form Factor	uATX
Processor Brand	Intel
Processor Socket Type	mPGA478
Processor Family	Pentium 4 and Celeron
Maximum approved processor	3.06 GHz Pentium 4 HT processor
Processor Front Side Bus	400/533 MHz
Chipset Name	SIS651
Chipset 'North Bridge'	SIS651
'North Bridge' Revision/Stepping	B0
Chipset 'South Bridge'	SIS962
'South Bridge Revision/Stepping	B1
Super I/O	ITE8705
Flash BIOS Device Type	4MB Flash EEPROM
Memory Type	DDR (Supports duel

Memory Speed	PC2700/PC2100/PC1600
Memory Sockets	Four DDR DIMM (184-pin)
Single or Dual Channel	Dual System Memory
Maximum Memory (may differ from PC manufacturer's maximum)	2GB (2 x 1GB) (may differ from PC manufacture's recommendation)
Integrated Graphics Supplier	SIS UMA
Integrated Graphics Shared (UMA) Memory	Up to 64MB dynamic (32MB if less than 256MB system memory)
Graphics Configuration	Down, integrated into chipset
Graphics Connector	AGP 4x
TV-out Device or Configuration	No
Integrated Audio Type	AC'97 (Realtek ALC650)
5.1 (Dolby) Channel Audio Support	Yes, Six speaker mode (requires audio driver and software setting changes)
Rear Audio Jacks	Microphone, Line-in, Line-out,
Front Audio Connectors	Headphones, Microphone, Line-in
Ethernet 10/100 LAN Supplier	Realtek RTL8100B
Ethernet Configuration	Integrated, Down
IDE UDMA Modes	ATA 66/100/133
Expansion Slots	AGP, three PCI
USB Ports	Six USB V2.0
USB Front/Rear Options	Two front, Four rear
Rear External Ports	One serial, One parallel, One floppy, Two PS/2 (keyboard and mouse), One IEEE 1394, Four USB, One VGA Monitor
Front External Ports	Two USB, One IEEE 1394,
Available Manufacturer Options	Integrated graphics, Integrated LAN, Integrated 1394, Six speaker mode (Dolby 5.1)

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Motherboard layout and photos

Figure 1: Layout

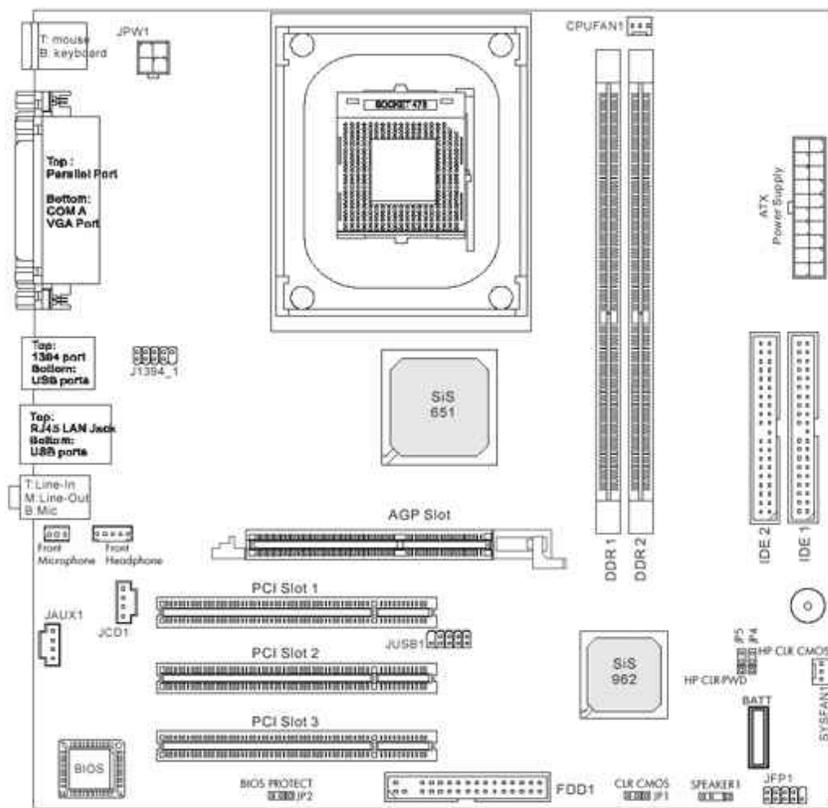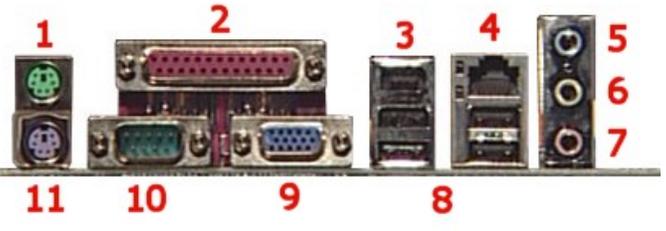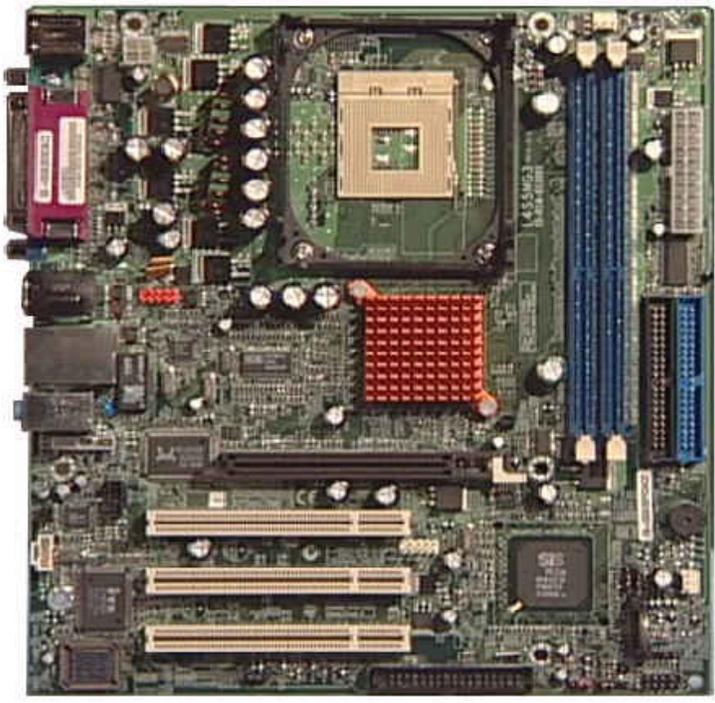**Figure 2: Photo**

1 – Mouse

2 – Parallel

3 – IEEE 1394 FireWire

4 - LAN

5 - Line-In

6 - Line-Out

7 - Microphone

8 - USB

9 - VGA

10 - Serial

11 - Keyboard

Clearing the CMOS settings

Tho reset the BIOS to the default settings set by HP, do the following:

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CAUTION: Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

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NOTE:Jumper JP2 write protects the BIOS. Make sure jumper JP2 is set to pins 1-2 before attempting to make any BIOS changes.

1. Turn off the PC and unplug the power cord.

2. Move the JP4 jumper cap from pins 2-3 (normal) to pins 1-2 (clear CMOS).

3. Keep the JP1 jumper cap on pins 2-3 for 5 to 10 seconds, then move it back to pins 1-2.

4. Plug in the power cord and turn on the PC.

5. Press the F1 key as the PC starts to enter the **BIOS setup** and change the BIOS settings.

Clearing the BIOS password

The BIOS password protects the BIOS from undesired changes (K2 password checking is disabled by default). If password checking is enabled, and you need to disable it, use the following steps:

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NOTE:Jumper JP2 write protects the BIOS. Make sure jumper JP2 is set to pins 1-2 before attempting to make any BIOS changes.

1. Move the JP5 jumper cap from pins 1-2 to pins 2-3 to enter BIOS setup without a password.

2. To enter BIOS setup, start the PC and press the F1 key as the PC starts.

3. Clear or reset the BIOS password.

4. Save the BIOS settings and turn the PC off.

5. If desired, reactivate BIOS password checking by returning the JP5 jumper cap to pins 1-2.

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