

HP Consumer Support

Motherboard Specifications, K8S-LA (Salmon)

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[Motherboard specifications table](#)

[Motherboard layout and photos](#)

[Clearing the CMOS settings](#)

[Clearing the BIOS password](#)

Motherboard specifications table

Form factor	Micro-ATX form factor: 9.6 in x 9.6 in
System BIOS Supplier	Award
Processor	AMD Athlon 64 processor with HyperTransport support
Processor socket type	Socket 754
Processor front side bus frequency	1600 MT/s @ 800 MHz
Maximum approved processor	<ul style="list-style-type: none">• Socket 754• Supports the following processors:<ul style="list-style-type: none">◦ AMD Athlon 64 3700+ processor (Clawhammer, 2.4 GHz)◦ AMD Athlon 64 3400+ processor (Newcastle, 2.4 GHz)◦ AMD Sempron
Chipset "North Bridge"	SiS760
Chipset "South Bridge"	SiS964
Memory type	PC 2700 or PC 3200 DDR
Memory sockets	2 x 184-pin DDR DIMM
Maximum Memory	2.0 GB
Graphics	None
Graphics configuration	Up
Graphics connector (AGP)	1 AGP 8x
Audio	Integrated AC97
AC'97 CODEC Device	Realtek ALC658C 6-channel CODEC
Audio Jacks (Legend below)	2M (1F+1B), 2LI (1F+1B), LO, Headphone connector

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Tips

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Ethernet 10/100 LAN supplier	Realtek® RTL8201CL LAN PHY Fast Ethernet LAN controller
Ethernet configuration	Integrated, Down
IEEE 1394	VIA VT6307
IEEE 1394 Front/Back Options	1F + 1B
SATA connectors	2 SATA connectors (supports a total of 2 drives, 1 serial ATA-150 disk drive on each connector)
IDE UDMA modes	2 x UDMA 100/66/33
Expansion slots (AGP/PCI/Exten)	1 AGP, 3 PCI
USB ports	Up to 6
USB Front/Back Options	Up to 2F + 4B
Serial, parallel, floppy, PS2 keyboard and mouse	1S,1P,1F,PS2 K+M
Available manufacturing options (Legend below)	ULE6

[Back to top](#)

Manufacturing options Legend

Legend	Meaning
8	8-Channel audio
A	Audio integrated on motherboard
C	External L2 cache on motherboard
E	1394 on motherboard
G	Graphics integrated on motherboard or in chipset
L	LAN on motherboard (Ethernet) P - PCMCIA slot
LI	Line In
LO	Line out
M	Microphone
M/G	Midi/Game
S	S3 power management support
S/O	Speaker
T	TV-out on motherboard
U	Graphics card

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(Non integrated on motherboard)

W

Microsoft Windows XP hardware compliant

Motherboard layout and photos

Figure 1: Layout

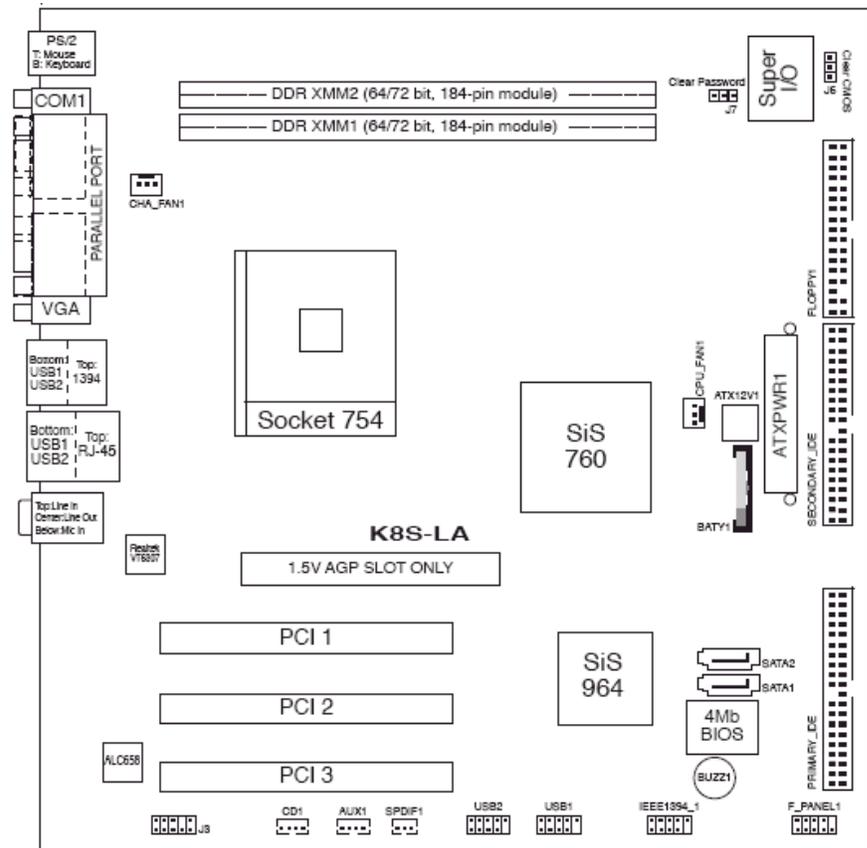
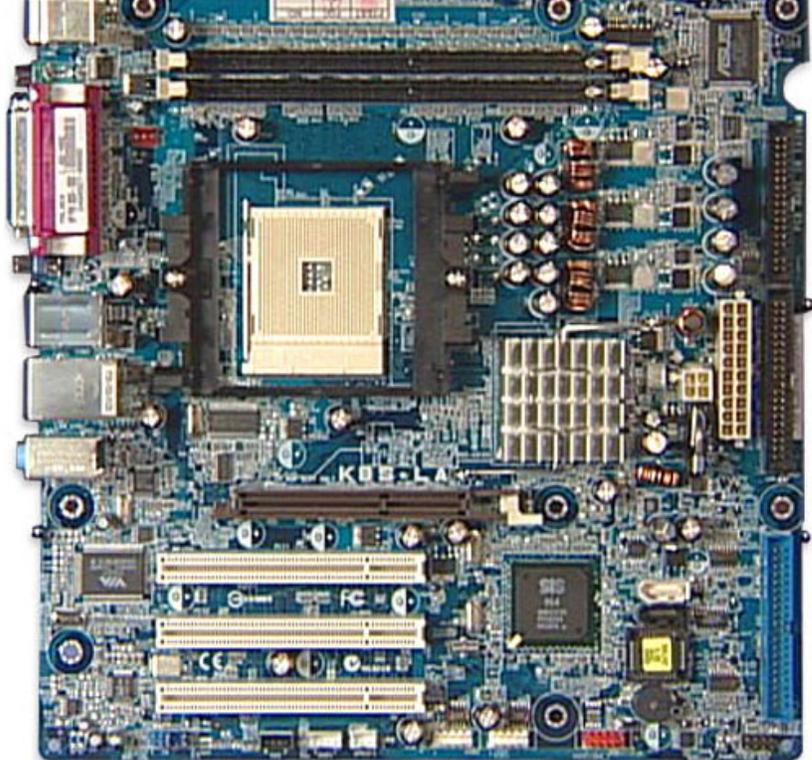


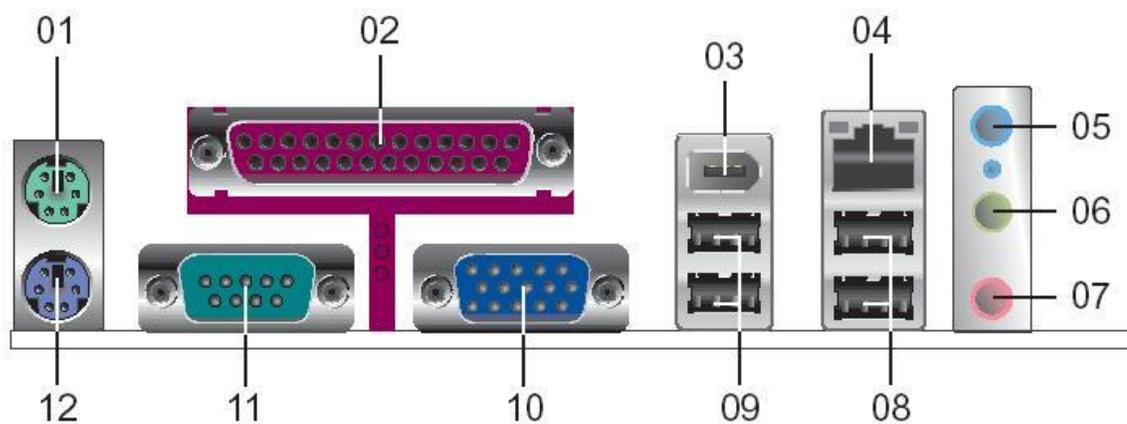
Figure 2: Photo





[Back to top](#)

Figure 3: View of back panel connectors



1 - PS/2 mouse

2 - Parallel port

3 - IEEE 1394 connector

4 - RJ-45 connector

5 - Line in jack

6 - Line out jack

7 - Microphone jack

8 - USB 2.0 connectors

9 - USB 2.0 connectors

10 - VGA connector

11 - Serial connector

12 - PS/2 Keyboard

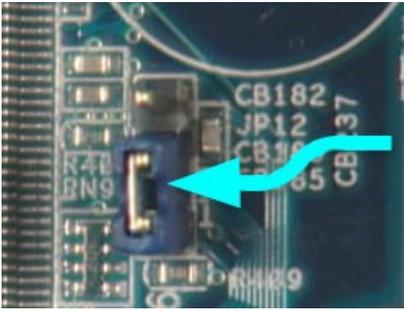
Clearing the CMOS settings



CAUTION: Do not change any jumper setting while the PC is running. Damage to the motherboard may result.

The J6 jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS. You can clear the CMOS memory of date, time, and system setup parameters by erasing the CMOS RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, which includes system setup information.

1. Turn off the PC and unplug the power cord.
2. Move the J6 jumper cap from pins 2-3 (Normal) to pins 1-2 (Clear CMOS).



3. Keep the jumper on pins 1-2 for about 10 seconds, then move it back to pins 2-3.
4. Plug the power cord and turn on the PC.

[Back to top](#)

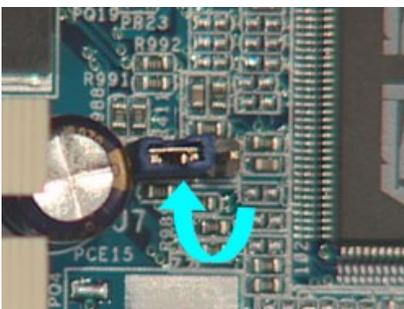
Clearing the BIOS password

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



CAUTION: Do not change any jumper setting while the PC is running. Damage to the motherboard may result.

1. Turn off the PC and unplug the power cord.
2. Move the jumper from pins 2-3 (Normal) to pins 1-2 (Clear Password).



3. Plug the power cord and turn ON the computer.
4. As soon as you see the first logo screen, turn off the computer.
5. Move the jumper from pins 1-2 to back to pins 2-3.

6. Turn on the PC and enter the BIOS to verify that the password is clear.

[Back to top](#)

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