HP and Compaq Desktop PCs - Motherboard Specifications, PTGD1-LA (Puffer2)

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Motherboard specifications table

Part / Feature	Specification / Support
Motherboard description	- Motherboard manufacturer's name: ASUS PTGD-LA - HP/Compaq name: Puffer2-UL8E
CPU/Processor	- Socket: LGA775 - Supports processor up to 3.6 GHz - Supports Intel Pentium 4 HT processors
Front-side bus (FSB)	800 MHz

Part / Feature	Specification / Support
Chipset	• Northbridge: i915P graphics and memory controller hub • Southbridge: ICH6 Intel I/O Controller Hub 6
BIOS features	• 4Mb FWH EEPROM • HP BIOS with enhanced ACPI, DMI, Green, and PnP Features Plus
Form factor	• Micro-ATX form factor, 9.6 in x 9.6 in
Memory	• Four 240-pin DDR2 DIMM sockets • Supports PC2 3200 (400 MHz) and PC2 4200 (533 MHz) DDR2-DIMMS • Maximum HP/Compaq approved memory is 4 GB* NOTE: *Actual available memory may be less
Expansion slots	• One PCI Express x16 graphics • Three PCI • No AGP slot
Video graphics	• External (no integrated graphics)
Serial ATA	• 4 SATA connectors • Each connector supports 1 serial ATA-150 disk drive • Hot Swap function

Part / Feature	Specification / Support
Onboard audio	Realtek ALC880 8-channel High Definition Audio CODEC
Onboard LAN	• Realtek RTL8101L • 10/100 Mbps Fast Ethernet controller
Back panel I/0	• One PS/2 mouse port • One PS/2 keyboard port • One Parallel • One IEEE 1394 • One RJ45 networking port • Six audio ports support 8-channel audio configuration • Four USB (2.0) • One S/PDIF in • One S/PDIF out
Internal connectors	• One Floppy connector • One IDE connector • One 24-pin ATX power connector • One 4-pin ATX 12 V power connector • Four Serial ATA connectors • One IEEE 1394a connector • Two USB 2.0 connectors • One CPU fan connector • One System fan connector • Two Internal audio connectors • One Front headphone connector • One System panel connector

NOTE: Motherboard specifications are subject to change without notice.

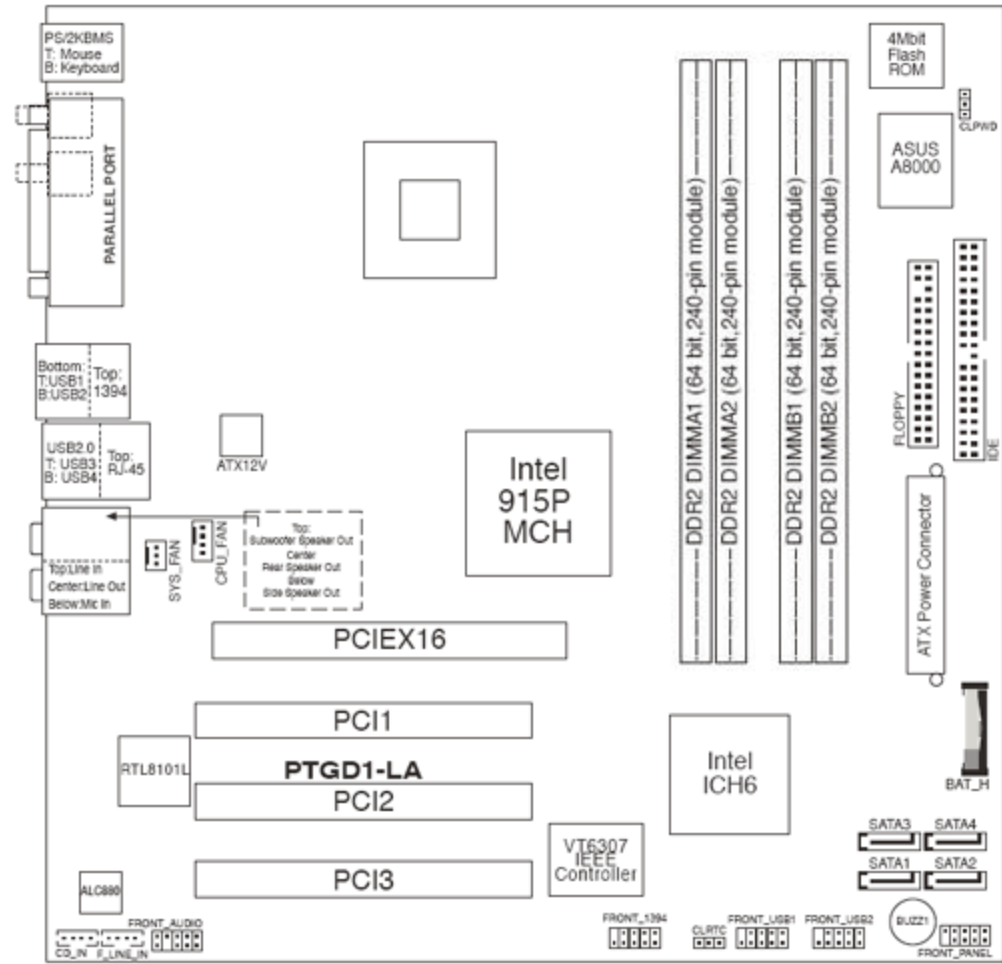# Motherboard layout and photos

Figure 1: **Layout**

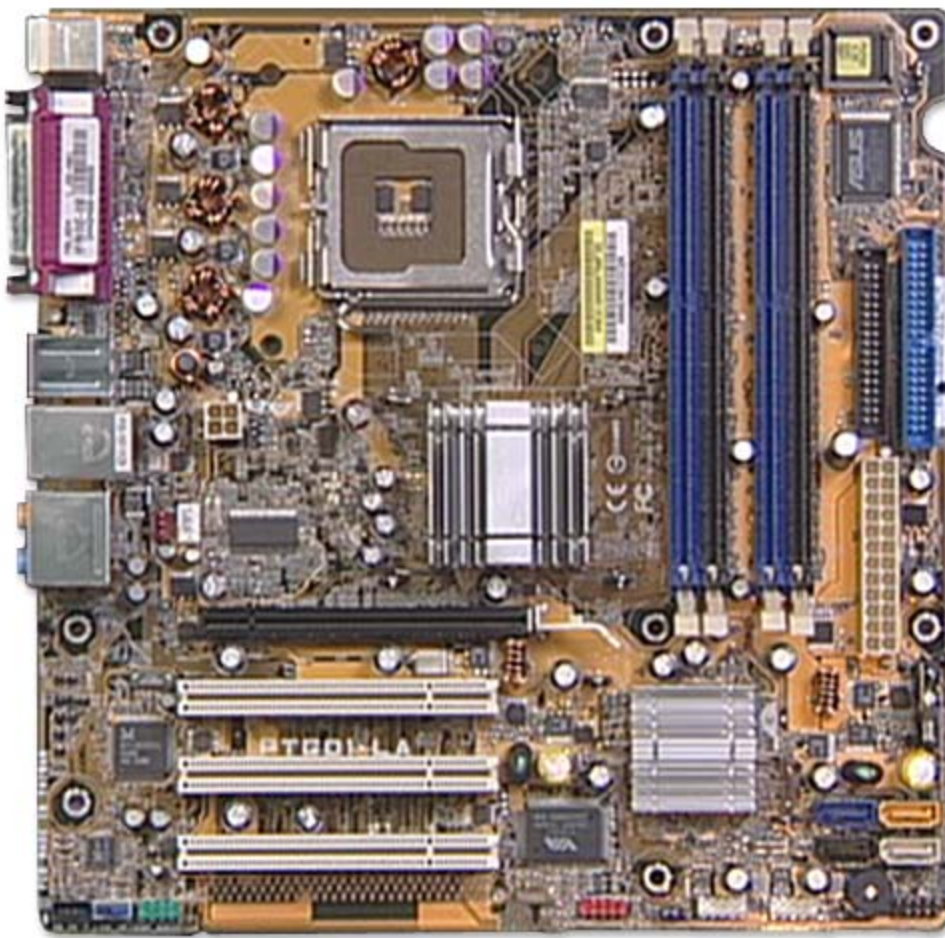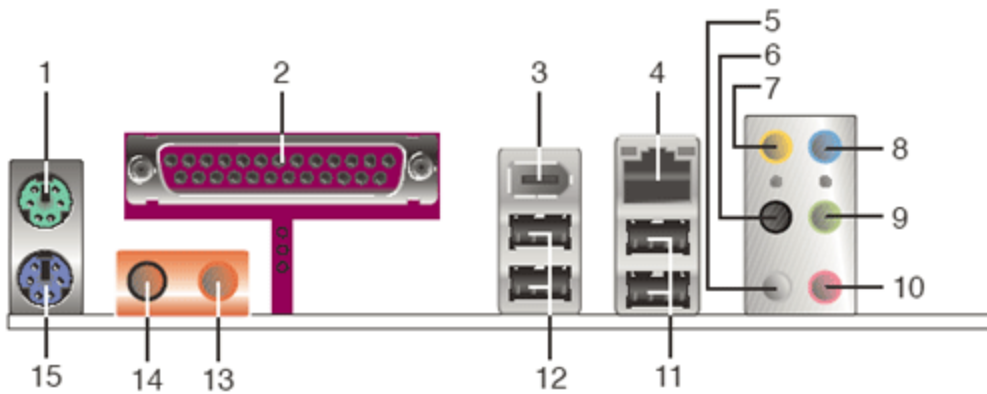**Figure** 2: **Photograph**

Figure 3: Backplate

1. PS/2 mouse port
2. Parallel port
3. IEEE 1394 port
4. RJ-45 port
5. Side speaker out (gray) port (connects to the side speakers in an 8-channel audio configuration)
6. Rear speaker out (black) port (connects to the rear speakers on a 4-channel audio configuration)
7. Center/Subwoofer (yellow orange) port (connects to the center/subwoofer speakers)
8. Line in (light blue) port (connects a tape player or other audio sources)
9. Line out (lime) port (connects to a headphone or a speaker. In 4-channel, 6-channel, and 8-channel mode, the function of this port becomes front speaker out)
10. Microphone port

11. USB 2.0 ports three and four

12. USB 2.0 ports one and two

13. S/PDIF Out port

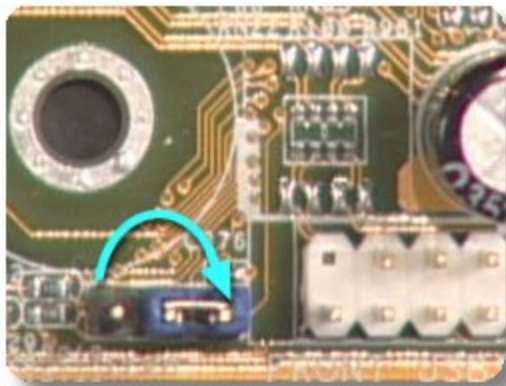**14.** S/PDIF In port

15. PS/2 keyboard port

Clearing the CMOS settings

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

Clear RTC RAM (3-pin CLRTC)

This 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.
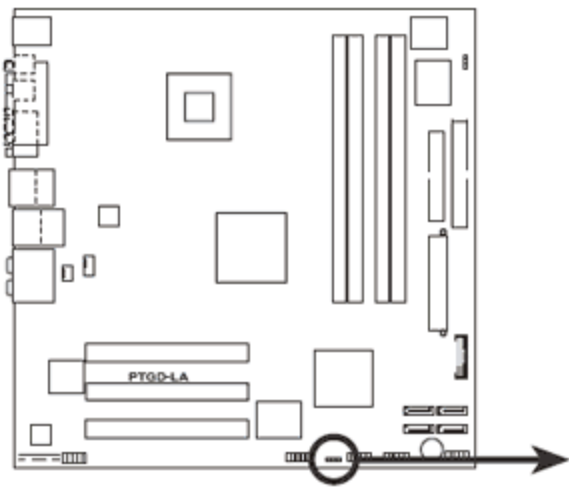
1. Turn off the PC and unplug the power cord.
2. Move the CLRTC jumper cap from pins 1-2 (Normal) to pins 2-3 (Clear CMOS). Keep the cap on pins 2-3 for about 10 seconds, then move the cap back to pins 1-2.

3. Plug the power cord and turn **on** the PC.

⚠ **CAUTION:** Except when clearing the RTC RAM, never remove the cap from the default position. Removing the cap causes system boot failure!
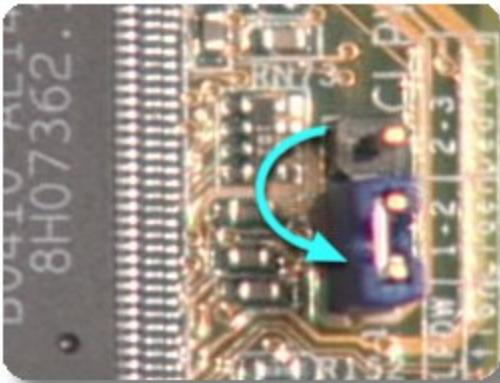
CLRTC

1. Normal (default)

2. Clear CMOS

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 computer is on. Damage to the motherboard can result.

1. Turn off the PC and unplug the power cord.
2. Move the CLPWD jumper cap from pins 2-3 (Normal) to pins 1-2. Keep the cap on pins 1-2 for about 10 seconds, then move the cap back to pins 2-3.

3. Plug the power cord and turn **on** the PC.

> ⚠ **CAUTION:** Except when clearing the RTC RAM, never remove the cap from the default position. Removing the cap causes system boot failure!

O nama

Kako kupiti

Podrška

HP-ovi partneri

Ostanite povezani