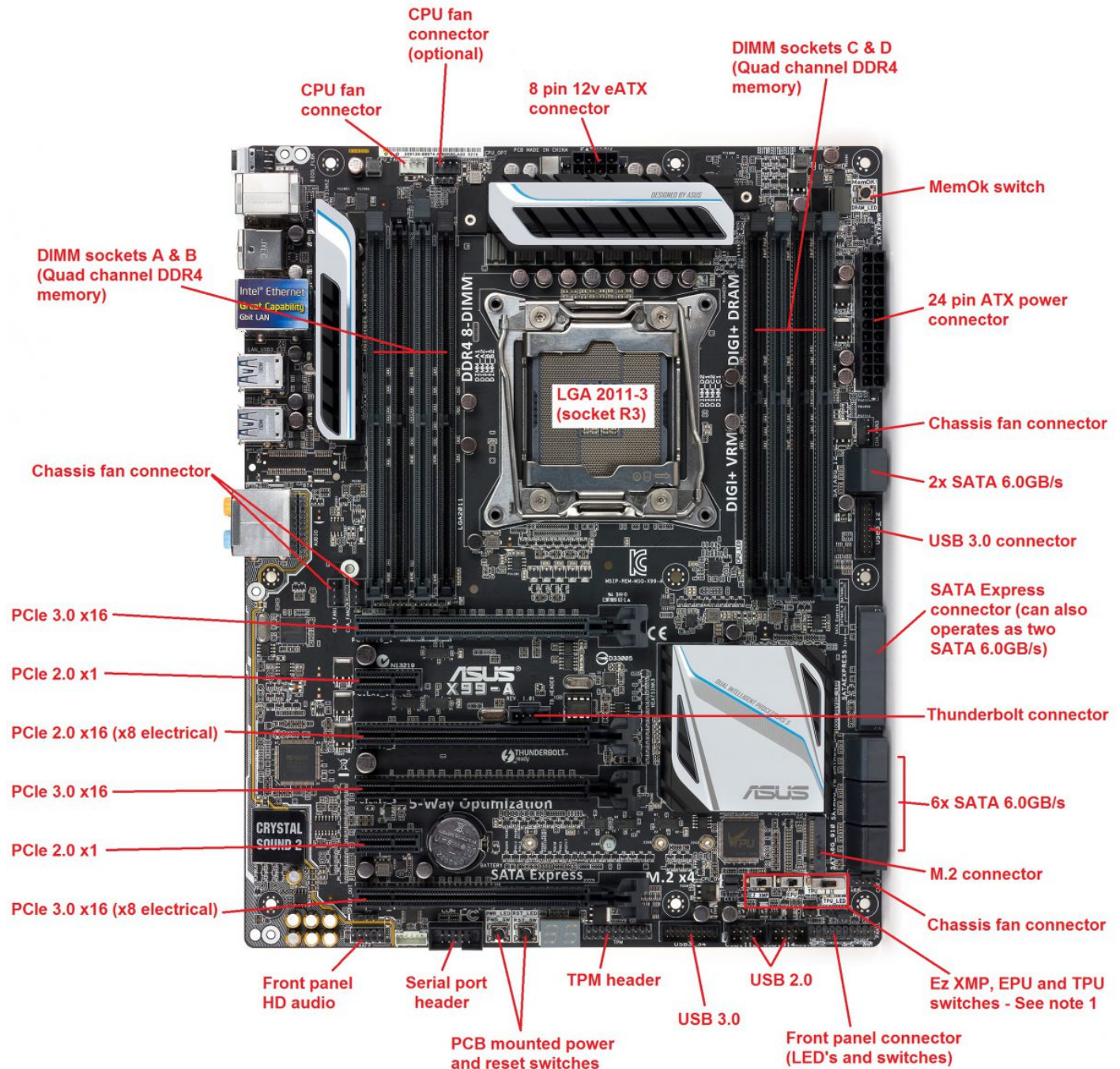


BOAMOT-477 - Stone / Asus X99-A - Motherboard Specification, Layout and Manual

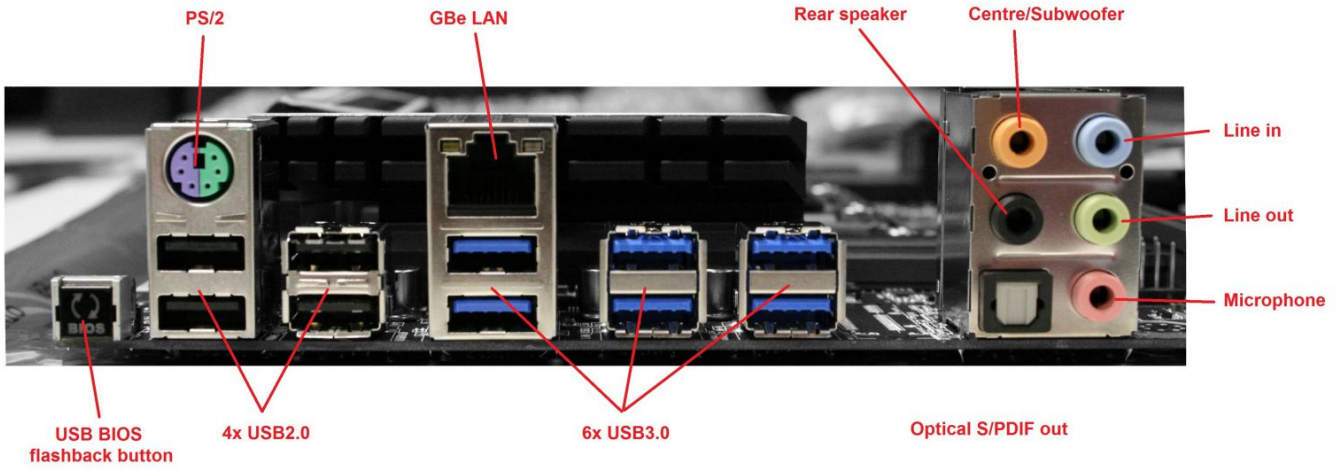
Motherboard Specification

- X99 chipset
- Socket R3 (LGA2011-3) supporting 22nm Haswell-E processors
- Eight DDR4 memory sockets - Supporting a maximum 64GB @ 2133MHz
- Eight SATA6.0GB/s ports (grey ports support RAID 0, 1, 5, 10)
- One M.2 x4 socket
- One SATA Express port
- Realtek ALC1150 8 channel HD audio controller
- Intel I218V Gigabit LAN controller
- Intel USB3.0 controller (1 rear, 4 mid board)
- ASmedia USB3.0 controller (5 rear)
- Intel USB2.0 controller (4 rear, 4 mid board)
- ATX form factor

Product Layout



Rear Ports



Note 1:

The following features of this product should remain in their default/off/disabled position, these features relate to over clocking and performance boosting features for the enthusiast market but are likely to introduce an additional element of uncertainty and cause potential issues with stability or if misused.

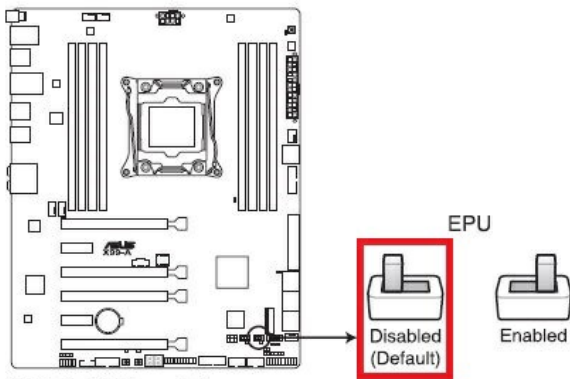
If supporting a customer with this product who has modified the settings of these switches, it is suggested they are returned to defaults as a standard part of diagnostic practice.

EPU switch

Enable this switch to automatically detect the current PC loadings and intelligently moderate the power consumption.



Enable this switch when the system is powered off.



X99-A EPU switch



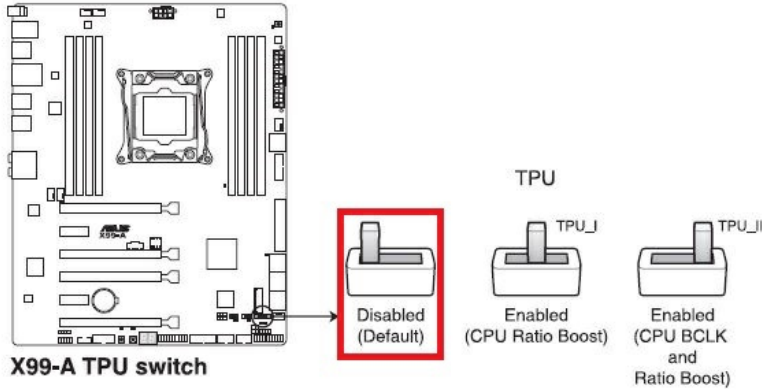
- The EPU LED (O2LED3) near the EPU switch lights up when you enable the EPU switch. Refer to section 1.2.8 Onboard LEDs for the exact location of the EPU LED.
- If you enable this switch under Windows® OS environment, the EPU function will be activated after the next system bootup.
- You may change the EPU settings in the software application or BIOS setup program and enable the EPU function at the same time. However, the system will use the last setting you have made.

TPU switch

With its two-level adjustment functions, the TPU allows you to automatically adjust the CPU ratio and clock speed for an optimal system performance.



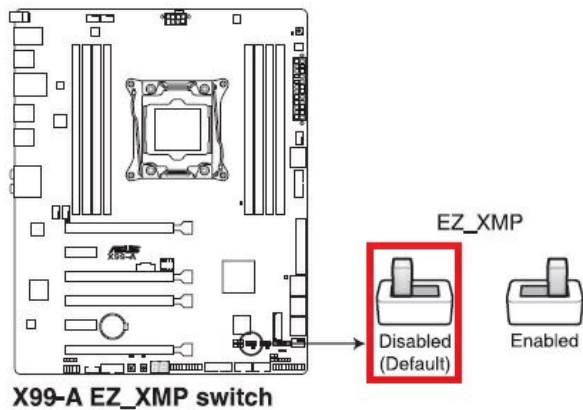
- Enable this switch when the system is powered off.
- When the TPU switch is set to **Enabled** (TPU_I: CPU Ratio Boost), the system automatically adjusts the CPU ratio for an enhanced performance.
- When the TPU switch is set to **Enabled** (TPU_II: CPU BCLK and Ratio Boost), the system automatically adjusts the base clock rate (BCLK) and the CPU ratio for a more enhanced performance.



- The TPU LEDs (TPU_LED) near the TPU switch light up when you set the TPU switch to TPU_I mode or TPU_II mode. Refer to section 1.2.8 Onboard LEDs for the exact location of the TPU LEDs.
- If you enable this switch under Windows® OS environment, the TPU function will be activated after the next system bootup.
- You may use the 5-Way Optimization and TPU feature in the AI Suite 3 application, adjust the BIOS setup program or enable the TPU switch at the same time. However, the system will use the last setting you have made.

EZ XMP switch

Enable this switch to overclock the installed DIMMs, allowing you to enhance the DIMM's speed and performance.



The EZ XMP LED (XLED1) lights up when you enable the EZ XMP switch. For the location of the EZ XMP LED, refer to section 1.2.8 Onboard LEDs.

Manual

Please find the manual for the motherboard attached to this article.

Note: This product does not provide driver support for Windows XP.

Applies to:

- BOAMOT-477 - Stone / Asus X99-A

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Updated by: Andrew Sharrad

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Stone Branded Products -> Desktop PCs and All-in-One (AIO) -> BOAMOT-477 - Stone / Asus X99-A - Motherboard Specification, Layout and Manual

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