

PC Build – Detailed Specifications for Flame

Graphics Card:

ZOTAC GAMING GeForce RTX 4060 8GB Twin Edge OC – Built on Nvidia's Ada Lovelace architecture, the RTX 4060 offers a powerful and energy-efficient solution for 1080p and entry-level 1440p gaming. With 8GB of GDDR6 memory running at 17 Gbps on a 128-bit bus, it supports DLSS 3 for AI-enhanced upscaling and ray tracing capabilities. The Twin Edge OC model features a compact dual-fan design, making it ideal for smaller cases while still maintaining excellent thermals and quiet operation.

Processor:

Intel Core i5-14600KF (14 Cores: 6 P-cores + 8 E-cores, Unlocked) – A 14th Gen Raptor Lake Refresh processor with hybrid architecture, the i5-14600KF provides outstanding performance across gaming, streaming, and productivity workloads. The 6 performance cores and 8 efficiency cores offer a balance of raw power and multitasking capabilities. Being unlocked, it supports overclocking when paired with a compatible motherboard, though this specific build uses a non-overclocking board for stable and efficient use.

Motherboard:

MSI PRO H610M-G WIFI (LGA 1700, DDR4, Micro ATX) – This compact and budget-friendly motherboard supports 12th and 13th/14th Gen Intel processors and DDR4 memory. It includes onboard Wi-Fi for wireless connectivity, SATA 6Gb/s ports, and M.2 slots for modern SSDs. Though it lacks CPU overclocking support, it's a reliable and efficient base for a powerful gaming system.

Memory:

Fanxiang UD11 32GB DDR4 3200MHz RGB (2x16GB) – This dual-channel kit offers high capacity and speed, ideal for modern games and multitasking. Featuring heatsinks for thermal control and RGB lighting for visual appeal, it's fully compatible with both Intel and AMD platforms. With 3200 MT/s speed, it ensures snappy performance across gaming and productivity.

Storage:

fanxiang S501Q 512GB NVMe M.2 Gen3x4 – Offering read speeds up to 3600MB/s, this NVMe SSD dramatically reduces boot times and game load times. Built with 3D NAND flash and an SLC cache, it's durable and fast. The M.2 2280 form factor ensures easy integration into modern motherboards without requiring extra cables.

Case:

SAMA 3509 ATX Mid Tower with Tempered Glass and 4 ARGB Fans – This high-airflow case features a mesh front panel and four pre-installed ARGB fans for optimal cooling

and visual customization. The tempered glass side panel opens like a door for easy access, and support for up to 360mm AIO coolers makes it ideal for high-performance systems. The case includes two USB 3.0 ports on the front panel and supports full-sized ATX builds.

CPU Cooler:

Cooler Master Hyper 212 Halo Black – This iconic air cooler features a powerful MF120 Halo² ARGB fan, a sleek black aluminum top cover, and four copper heat pipes for efficient heat dissipation. Its 154mm height fits most mid-tower cases, offering a balance of performance, aesthetics, and quiet operation.

Power Supply:

MSI MAG A650BN 650W 80+ Bronze Certified PSU – This reliable power supply delivers stable power with 80+ Bronze efficiency, ensuring up to 85% energy efficiency at typical loads. It's compact and ideal for space-conscious builds. While not modular, its efficient cable layout and high-quality components make it a great choice for mid-range gaming systems.

Note: If any listed component is out of stock, we will replace it with an equivalent part from a different reputable brand to ensure the same level of performance and reliability.