PC Build – Detailed Specifications for Phantom

Graphics Card:
MSI Gaming GeForce RTX 3070 8GB GDDR6 (RTX 3070 GAMING X TRIO) – Built on Nvidia's Ampere architecture, this GPU features 5888 CUDA cores and a boost clock that delivers top-tier gaming performance at 1440p and 4K resolutions. The Gaming X Trio variant by MSI includes a robust triple-fan cooling system and reinforced build quality for sustained performance under heavy loads. DLSS and ray tracing technologies further enhance game realism and frame rates. With 8GB of GDDR6 memory and PCIe 4.0 support, it ensures high-speed rendering and future-proof compatibility.

Processor:
Intel Core i5-12400F (2.5GHz Base, 4.0GHz Boost, 6 Cores / 12 Threads) – This 12th Gen Alder Lake processor delivers excellent performance for both gaming and productivity. With 6 performance cores and 12 threads, it's ideal for multitasking and modern game engines. It includes 18MB Intel Smart Cache and supports the latest LGA 1700 socket motherboards. Despite lacking integrated graphics, it shines in paired systems with discrete GPUs.

Memory:
KingSpec 32GB DDR4 3200MHz (2x16GB) – This dual-channel memory kit runs at 3200MHz, ensuring smooth multitasking and high-speed data processing. Ideal for content creators, gamers, and power users, it provides ample capacity and bandwidth for demanding applications. Its 288-pin design offers compatibility with a wide range of motherboards.

Motherboard:
ASRock B660M-HDV Micro ATX (LGA 1700, Intel B660) – Designed for 12th Gen Intel CPUs, this motherboard supports DDR4 memory and features PCIe 4.0 for modern GPUs and M.2 storage devices. With SATA 6Gb/s, USB 3.2 ports, and dependable power phases, it offers stable performance in a compact mATX form factor, making it perfect for mid-sized builds.

Storage:
fanxiang S501Q 512GB NVMe M.2 Gen3x4 – This high-performance SSD delivers read speeds up to 3600MB/s and write speeds that rival top-tier Gen3 storage. Featuring 3D NAND flash and SLC cache, it ensures faster boot times, rapid application loading, and long-term durability. Its M.2 2280 form factor allows easy installation in compact builds.

Case:
 CORSAIR Frame 4000D RS ARGB Mid-Tower – This modular ATX case combines aesthetics with airflow. It includes 3 pre-installed RS ARGB fans, tempered glass, and the InfiniRail™ Fan Mounting System for flexible cooling options. Compatible with ASUS BTF, MSI Project Zero, and Gigabyte Project Stealth platforms, it supports clean cable routing and high-performance configurations.

Power Supply:
 MSI MAG A750GL PCIe 5, 750W, 80 Plus Gold – This fully modular PSU offers 80+ Gold efficiency, ensuring energy savings and stable power delivery. PCIe 5.0 ready and designed for next-gen GPUs, it includes high-quality Japanese capacitors for longevity and consistent performance. Its compact design enhances airflow and simplifies installation.

CPU Cooler:
 Cooler Master Hyper 212 Halo Black – This air cooler combines style and performance with its MF120 Halo^2 dual-loop ARGB fan and black aluminum top cover. The four copper heat pipes and efficient 154mm height ensure excellent heat dissipation, maintaining low CPU temperatures during intense workloads or gaming.

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.