PC Build – Detailed Specifications for Lotus

Graphics Card:
Radeon RX 580 8GB GDDR5 (256-bit, Dual-Fan Cooling) – A reliable and time-tested graphics card for 1080p gaming and multimedia tasks. With support for 8K resolution (via display scaling), DirectX 12, and AMD FreeSync technology, the RX 580 still holds strong for budget-conscious gamers. The dual-fan setup ensures adequate thermal performance under load.

Processor:
AMD Ryzen 5 5500 – 6 Cores / 12 Threads, 3.6 GHz Base / Up to 4.2 GHz Boost – Built on the Zen 3 architecture, this unlocked processor offers solid multi-threaded performance for gaming and productivity. Comes with the Wraith Stealth cooler for out-of-the-box thermal solution, making it a great value for mid-range systems.

Motherboard:
ASRock B450M PRO4 R2.0 (AM4, Micro ATX) – A solid B450 chipset motherboard compatible with Ryzen 1000 to 5000 series CPUs (with BIOS update). It supports dual M.2 drives, USB 3.1 Gen1, and DDR4 memory up to 3200MHz. Its compact micro-ATX form factor fits most cases and provides great upgradability at a low price.

Memory:
Patriot Viper Steel DDR4 16GB (2 x 8GB) 3200MHz CL16 – A dependable and fast memory kit designed for gamers and PC builders. With a performance-tuned heatspreader and support for XMP 2.0, this RAM ensures stable and responsive system performance under load.

Storage:
Patriot P300 512GB M.2 PCIe Gen3 x4 NVMe SSD – Offers excellent value and speed, with read speeds up to 1700MB/s and write speeds up to 1100MB/s. Ideal for fast boot times, game load speeds, and overall system responsiveness. Fits perfectly into the M.2 slot of the motherboard without cables.

Case:
SAMA SV02 Mid-Tower ATX Gaming Case – White – This sleek case features a modern white finish, tempered glass side panel, and a back-plug BTF design for cleaner cable management. Comes with 3 pre-installed ARGB fans for airflow and aesthetics. Supports ATX motherboards and radiators up to 240mm.

CPU Cooler:
Cooler Master Hyper 212 Halo Black – An excellent aftermarket cooler with four copper heat pipes and a 120mm ARGB fan. Designed for effective heat dissipation

while maintaining low noise levels. Offers wide compatibility with both AMD (AM4/AM5) and Intel sockets.

Power Supply:
 Thermaltake Smart 500W – Non-Modular, 80 Plus Certified – A dependable and budget-friendly power supply offering stable power delivery for entry- to mid-range builds. With 500W capacity and 80+ certification, it's perfect for systems with modest power requirements.

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.