Component↓ / PC→	AMD [Assembled]	HP [Pre Built]	Notes	Rationale
Processor	8500G	5600G	Comparison - Link	Upgrading to latest-gen CPU with better multi-processing
Motherboard	ASUS B650R	[not mentioned]		Upgrading to motherboard with AM5 socket [2022] - future proofing [support *atleast* 2027]. AM5 is the form-factor/socket-specification for all future AMD CPUs for the next 5 years or so - Also upgrading to DDR5 support - future proofing again as newer,better RAMs are DDR5; Decided to go agaist much more expensive WiFI + Bluetooth options as those features are unnecessary
RAM	2x16GB DDR5 4800MHz [Crucial]	8GB DDR4 3200MHz	32GB DDR5 4800MHz vs 8GB DDR4 3200MHz	Upgrading from 16GB to 32GB RAM - Directly affects performance; As time goes by software and web content tend to seek more RAM
Hard Drive	2x2TB 5400RPM	-	Atleast 2TB storage is mandatory	Storage for backups, syncthing, shared folder
SSD	240GB SSD [BX500]	512GB		OS and DB on faster SSD
Graphics Card	Radeon 740M [Integrated]	RX6400 [Dedicated- 4GB GDDR6]		Basic barebones GPU integrated with CPU - sufficient to drive monitor for normal GUI tasks. Dedicated GPU not required as there are no tasks that are GPU intensive
Cost	56640	57820		

The two machines are not comparable due to the overwhelming difference in specification