AlazarTech Recommended Motherboards & PCs

Given the constantly changing nature of computers, this information is provided as a reference only and AlazarTech assumes no liability in case the computer you purchase behaves differently than what was observed in AlazarTech's laboratory.

PCIe Gen3 Digitizers: ATS9373, ATS9371

PCIe Gen2 Digitizers: ATS9360, ATS9352, ATS9416

PCIe Gen1 Digitizers: ATS9870, ATS9350, ATS9351, ATS9625, ATS9626, ATS9440, ATS9462, ATS9146, ATS9130, ATS9120

Motherboards for best throughput:

	PCIe Gen3	PCIe Gen2	PCIe Gen1
Tested motherboards that produced the best throughput results:			
ASUS PRIME X299-A	●	●	●
ASUS X99 Deluxe	●	●	●
Gigabyte MZ31-AR0	●	●	●
Gigabyte X299 Designare	●	●	●
Gigabyte GA-Z170XP	●	●	●
Gigabyte GA-Z170ZP-SLI	●	●	●
Asus P9X79 Pro	Not recommended	●	●
ASROCK X79 Extreme 11	Not recommended	●	●
ASUS P6T7	Not recommended	Not recommended	●
Intel S5000PSLSATA	Not recommended	Not recommended	●

PCs and CPUs for best throughput:

	PCIe Gen3	PCIe Gen2	PCIe Gen1
Tested PCs and CPUs that produced the best throughput results:			
HP Z440 Workstation	●	●	●
HP Z840 Workstation	●	●	●
AMD EPYC 7301 CPU	●	●	●
Dell T79xx Workstation	●†	●	●
Dell T58xx Workstation	●†	●	●
Dell T7400 Workstation	Not recommended	●	●

There are known issues with the following PCs:

Computer Brand/Model	Issue	Solution
Dell OptiPlex Desktops	Unstable bus link	None available

† Early models of the Dell T79xx and Dell T58xx Workstations exhibited unstable bus link with PCIe Gen3 x 8 boards. This issue was fixed with BIOS updates.