

This topic supplies specifications for Advantech PCs that Aerotech approves for A3200 installation. If you are using one of the Aerotech-approved Advantech PCs, use the BIOS settings in this topic. Do not use the BIOS settings supplied for PCs that are not approved by Aerotech.

Form Factors

Motherboard	Manufacturer Product Number
AIMB-785 with Intel i7 or i5 processor	SYS-4U4000-9A52

The motherboard is available in an Advantech ACP-4000 4U rackmount chassis and other Advantech form factors.

Advantech PC Configuration Tested at Aerotech

- Advantech AIMB-785 (ATX size)
- BIOS V1.12 10/5/2016, 10/7/2016
- Intel Core i5-6500 3.2 GHz and Intel Core i7-6700 3.4 GHz.
- 8 GB RAM
- Windows 10, 64-bit

BIOS Settings

Change the BIOS settings of your Advantech PC to be the same as the values in the **Required Setting** column in the table that follows.

Tab	Name	Required Setting
Advanced Tab	ACPI	
	Enable ACPI auto configuration	Disabled (default)
	Enable Hibernation	Disabled
	ACPI Sleep State	Suspend Disabled
	ACPI Low Power S0 Idle	Disabled (default)
	Trusted Computing	TPM Disabled (default)
	AMT Configuration	Disabled
	CPU Configuration	
	Boot Performance Mode	Max non-Turbo Performance
	CPU AES	Enabled (default)
	Intel® SpeedStep®	Disabled
	CPU C States	Disabled (default)
	CSM (Version 7.79)	Enabled (default)
	Boot Option	Legacy
Chipset Tab	PCH-IO Configuration	
	HD Audio	Disabled
	Restore AC	S0 State
	High Precision Timer	Enabled (default)

Windows Settings

To see the Windows settings that you must change, refer to the **User Guide for Optimizing Performance** on the website or the **Optimizing A3200 Performance** topic of the help file.