

ASRockind Technical Reference - Q&A

Question	I install 4GB memory on Intel Skylake platform, but the usable memory size is only 2GB under Windows 7 32-bit OS. How do I increase the usable memory size?
Release date	2020/4/16
Product	Skylake platform: IMB-190, IMB-190-E, IMB-191, IMB-192, IMB-193, IMB-194-L, IMB-194-D, IMB-195, IMB-195-D, IMB-390-L, IMB-390-D, IMB-391, IMB-790, IMB-791, IMB-792
FAQ type	<input type="checkbox"/> Specification <input type="checkbox"/> OS & Driver <input checked="" type="checkbox"/> Application <input type="checkbox"/> BIOS/FW <input type="checkbox"/> Others

Answer:

Due to the limitation of Windows 7 32-bit operating systems, the maximum of usable memory size is less than 4GB natively.

To increase usable memory under Windows 7 32-bit OS on Intel Skylake based systems, please adjust [Top Of Lower Usable Dram] to [3.5GB] and then check the usable memory size again.

BIOS Path: BIOS/ Advanced/ Chipset configuration/ Top Of Lower Usable Dram