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Microsoft Windows OS

15.9GB Memory

I have 32GB RAM but only 15.9GB are usable.
There may be 2 problems

Problem	Solution
You have Windows Vista - 7 / Home Edition	Upgrade your OS to Windows 10 for free
Problem with computer BIOS	Flash your motherboard BIOS to latest from manufacturer website

Memory limits by OS

OS	Architecture	Memory Limit
Windows *	32bit	4GB minus HW address space
Windows 7 Home Basic	64bit	8GB SW Limited
Windows 7 Home Premium	64bit	16GB SW Limited
Windows 7 Pro	64bit	192GB
Windows 8	64bit	128GB
Windows 8 Pro	64bit	512GB
Windows 10 Home	64bit	128GB
Windows 10 Pro	64bit	2TB
Linux *	32bit	4GB - 1/3GB and 2/2GB
Linux *	64bit	64TB

Under 32bit Windows single process cannot use more than 2GB RAM.

Under 32bit Linux there are two configurations 1GB (default) and 2GB (not standard).

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