

RTX64

Processor Compatibility

Compatibility between supported RTX64 versions and system processors.

	RTX64 2014	RTX64 2014 w/ SP1	RTX64 2014 w/ SP2	RTX64 3.0 w/ Updates	RTX64 3.1	RTX64 3.2 w/ Updates	RTX64 3.3 w/ Updates	RTX64 3.4	RTX64 3.5	RTX64 3.6	RTX64 3.7
Sandy Bridge (2nd Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
						Key Features:	Key Features:	Key Features:	Key Features:	Key Features:	Key Features:
						Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X
Ivy Bridge (3rd Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
						Key Features:	Key Features:	Key Features:	Key Features:	Key Features:	Key Features:
						Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X
							Note for Windows 10 users:	Note for Windows 10 users:	Note for Windows 10 users:		
							RTX64 3.4.2 requires the latest Windows 10 KB updates.	RTX64 3.5.1 requires the latest Windows 10 KB updates.	RTX64 3.6.2 requires the latest Windows 10 KB updates.		
Haswell (4th Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
						Key Features:	Key Features:	Key Features:	Key Features:	Key Features:	Key Features:
						Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X	Multiple Vector Interrupts in MSI-X

	RTX64 2014	RTX64 2014 w/ SP1	RTX64 2014 w/ SP2	RTX64 3.0 w/ Updates	RTX64 3.1	RTX64 3.2 w/ Updates	RTX64 3.3 w/ Updates	RTX64 3.4	RTX64 3.5	RTX64 3.6	RTX64 3.7
Broadwell (5th Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X
Skylake (6th Gen)	No	No	No	Yes	Yes	Yes	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X
Kaby Lake (7th Gen)	No	No	No	No	Yes	Yes	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X
Apollo Lake	No	No	No	No	Yes	Yes	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X

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Coffee Lake (8th Gen)	No	No	No	No	No	No	Yes (support was added in Update 2) Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X
Intel® Core™ X-series	No	No	No	No	No	No	Yes (support was added in Update 2) Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat mode only; added in Update 2) Intel® AVX-512 instructions (added in Update 2)	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat mode only) Intel® AVX-512 instructions	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions

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Intel® Xeon® Scalable	No	No	No	No	No	No	Yes (support was added in Update 2) Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat mode only; added in Update 2) Intel® AVX-512 instructions (added in Update 2)	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat mode only) Intel® AVX-512 instructions	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions
AMD Ryzen (1st Gen)	No	No	No	No	No	No	No	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X	Yes Key Features: Multiple Vector Interrupts in MSI-X

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Coffee Lake Refresh (8th/9th Gen)	No	No	No	No	No	No	No	No	No	Yes	Yes
										Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions	Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions

NOTES:

The Windows operating system installed on the machine must support the hardware. Windows 8.1 and Windows 7 SP1 do not support hardware beyond Skylake. For more information, see <https://support.microsoft.com/en-us/help/11675/windows-7-windows-8-1-skylake-systems-supported>

Windows 7 SP1 is currently only tested on Haswell and older hardware.