

RTX64

Processor Compatibility

This document outlines compatibility between supported RTX64 versions and the system processors that are available for testing as part of the IntervalZero QA lab. Note that other processors should work. To request that a specific processor be added to our QA test lab, please contact support@intervalzero.com.

RTX64 3.x – 4.0

	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	RTX64 4.0
Sandy Bridge (2nd Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X
Ivy Bridge (3rd Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X
					Note for Windows 10 users: RTX64 3.4.2 requires the latest Windows 10 KB updates.	Note for Windows 10 users: RTX64 3.5.1 requires the latest Windows 10 KB updates.	Note for Windows 10 users: RTX64 3.6.2 requires the latest Windows 10 KB updates.		

	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	RTX64 4.0
Haswell (4th Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X
Broadwell (5th Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X
Skylake (6th Gen)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X
Kaby Lake (7th Gen)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X

	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	RTX64 4.0
Apollo Lake	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X	Key Features: Multiple Vector Interrupts in MSI-X
Coffee Lake (8th Gen)	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	Yes Key Features: Multiple Vector Interrupts in MSI-X

	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	RTX64 4.0
Intel® Core™ X-series	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	Yes Key Features: Multiple Vector Interrupts in MSI-X Intel® RDT (CAT/MBA, Flat and Priority modes) Intel® AVX-512 instructions

	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	RTX64 4.0
Intel® Xeon® Scalable	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	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	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

	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	RTX64 4.0
Coffee Lake Refresh (8 th /9 th Gen)	No	No	No	No	No	No	Yes	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	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.

RTX64 2014

	RTX64 2014	RTX64 2014 w/ SP1	RTX64 2014 w/ SP2
Sandy Bridge (2nd Gen)	Yes	Yes	Yes
Ivy Bridge (3rd Gen)	Yes	Yes	Yes
Haswell (4th Gen)	Yes	Yes	Yes
Broadwell (5th Gen)	Yes	Yes	Yes
Skylake (6th Gen)	No	No	Yes (requires Update 2)
Kaby Lake (7th Gen)	No	No	No
Apollo Lake	No	No	No
Coffee Lake (8th Gen)	No	No	No
Intel® Core™ X-series	No	No	No

	RTX64 2014	RTX64 2014 w/ SP1	RTX64 2014 w/ SP2
Intel® Xeon® Scalable	No	No	No
AMD Ryzen (1st Gen)	No	No	No
Coffee Lake Refresh (8th/9th Gen)	No	No	No

NOTES:

The Windows operating system installed on the machine must support the hardware.