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Processor Core I3

Previous generations of processors and models (indicated by † through †), remain supported in addition to the listed processors and models. † 6 GHz Previously, i3 Kaby Lake processors had two cores with hyperthreading, but now, i3 Coffee Lake processors have 4 cores and offer much better value for money in terms of dollars per core. † Windows Client Edition Processor tableWindows EditionIntel ProcessorsAMD ProcessorsQualcomm ProcessorsWindows 7 and earlier editions†Up through the following 6th Generation Intel Processors (Intel Core i3/i5/i7-6xxx, Core m3/m5/m7-6xxx, and Xeon E3-xxx v5), and through series equivalent Intel Atom, Celeron and Pentium Processors†Up through the following AMD 6th Generation Processors (A-Series A3-8xxx & E-Series E3-8xxx & FX-870K/N/A/Windows 8. †-->This specification details the processors that can be used with Customer Systems that include Windows Products (including Custom Images). MX Processors†Windows 10 IoT Core 1809 (LTSC)†Up through currently enabled Intel Atom, Celeron and Pentium Processors†3†Up through currently enabled Qualcomm Snapdragon Processors†3†Up through currently enabled Broadcom Processors†3†Up through currently enabled NXP †. The processors listed in the tables below, represent the latest processor generations and models which are supported for the listed Windows Edition.

microsoft.com/lifecycle) and Microsoft Lifecycle FAQ (https://support.microsoft.com/help/18581). MX Processors†3†Information on which processors are currently enabled is availableat https://docs.. Intel's i3-8100 from their 8th generation of Core processors is a mainstream quad-core CPU. For specific hardware support, please refer to your Original Equipment Manufacturer (OEM) provider. For each listed edition, Company must use only the processors listed, as specified in the table below.. Updates to this specification may be released in the future as requirements change.. The requirements below apply whenever the edition below is pre-installed or provided on external media, including as downgrade or down edition software.. It is the entry model of the latest Coffee Lake line up with a clock speed of 3.

processor cores

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The Core i3 range is entirely dual-core, while Core i5 and i7 processors have four cores.. If Company believes a processor has been omitted from this list, please contact Company's Microsoft OEM or ODM Account Manager. Some product editions or edition/processor configurations listed below may have no or limited support. For clarity, Company must also meet all processor and other requirements specified in Minimum Hardware Requirements for Windows 10, located at https://msdn. It is difficult for an application to take advantage of the multicore system Each core is effectively its own processor – your PC would still work (slowly) with just one core enabled..microsoft.com/en-us/windows/iot-core/learn-about-hardware/occsandcustomboards/Windows IoT Enterprise / Embedded Processor table. †Up through the following 6th Generation Intel Processors (Intel Core i3/i5/i7-6xxx, Core m3/m5/m7-6xxx, and Xeon E3-xxxx v5), and through series equivalent Intel Atom, Celeron and Pentium Processors†Up through the following AMD 6th Generation Processors (A-Series A3-8xxx & E-Series E3-8xxx & FX-870K/N/A/Windows 10 Enterprise LTSB 1507†Up through the following 6th Generation Intel Processors (Intel Core i3/i5/i7-6xxx, Core m3/m5/m7-6xxx, and Xeon E3-xxxx v5), and through series equivalent Intel Atom, Celeron and Pentium Processors†Up through the following AMD 6th Generation Processors (A-Series A3-8xxx & E-Series E3-8xxx & FX-870K/N/A/Windows 10 †1††Up through the following 7th Generation Intel Processors (Intel Core i3/i5/i7-7xxx, Core m3-7xxx, and Xeon E3-xxxx v6), and Intel Atom, Celeron, and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx/N/A/Windows 10 1607†Up through the following 7th Generation Intel Processors (Intel Core i3/i5/i7/i9-7xxx, Core m3-7xxx, and Xeon E3-xxxx v6), Intel Atom, Celeron, and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx/N/A/Windows 10 1703†Up through the following 7th Generation Intel Processors (Intel Core i3/i5/i7/i9-7xxx, Core m3-7xxx, and Xeon E3-xxxx v6) and 8th Generation Processors (Intel Core i3/i5/i7-8xxx†), Intel Atom (H4xx/J5xxx and N4xxx/N5xxx), Celeron, and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx), AMD Athlon 2xx, and AMD Ryzen 3/5/7 2xxx/N/A/Windows 10 1709†Up through the following 8th Generation Intel Processors (Intel Core i3/i5/i7/i9-8xxx†U/H/G, and Intel Xeon E-21xx†1), Intel Atom (H4xxx/J5xxx and N4xxx/N5xxx), Celeron and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx), AMD Athlon 2xx, AMD Ryzen 3/5/7 2xxx, AMD Opteron†2† and AMD EPYC 7xxx†2† ProcessorQualcomm Snapdragon 835/Windows 10 1803†Up through the following 8th Generation Intel Processors (Intel Core i3/i5/i7/i9-8xxx†U/H/G, and Intel Xeon E-21xx†1), Intel Atom (H4xxx/J5xxx and N4xxx/N5xxx), Celeron and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx), AMD Athlon 2xx, AMD Ryzen 3/5/7 2xxx, AMD Opteron†2† and AMD EPYC 7xxx†2† ProcessorQualcomm Snapdragon 835 and 850/Windows 1809†Up through the following 9th Generation Intel Processors (Intel Core i3/i5/i7/i9-9xxx†K), and Intel Xeon E-21xx†1), Intel Atom (H4xxx/J5xxx and N4xxx/N5xxx), Celeron and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx), AMD Athlon 2xx processors, AMD Ryzen 3/5/7 2xxx, AMD Opteron†2† and AMD EPYC 7xxx†2†Qualcomm Snapdragon 850/Windows 10 Enterprise LTSB 1809†Up through the following 9th Generation Intel Processors (Intel Core i3/i5/i7/i9-9xxx†K), and Intel Xeon E-21xx†1), Intel Atom (H4xxx/J5xxx and N4xxx/N5xxx), Celeron and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx), AMD Athlon 2xx processors, AMD Ryzen 3/5/7 2xxx, AMD Opteron†2† and AMD EPYC 7xxx†2†N/A/Windows 10 1903†Up through the following 9th Generation Intel Processors (Intel Core i3/i5/i7/i9-9xxx†K), and Intel Xeon E-21xx†1), Intel Atom (H4xxx/J5xxx and N4xxx/N5xxx), Celeron and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx), AMD Athlon 2xx processors, AMD Ryzen 3/5/7 2xxx, AMD Opteron†2† and AMD EPYC 7xxx†2†N/A/Windows 10 1903†Up through the following 9th Generation Intel Processors (Intel Core i3/i5/i7/i9-9xxx†K), and Intel Xeon E-21xx†1), Intel Atom (H4xxx/J5xxx and N4xxx/N5xxx), Celeron and Pentium Processors†Up through the following AMD 7th Generation Processors (A-Series A3-9xxx & E-Series E3-9xxx & FX-9xxx), AMD Athlon 2xx processors, AMD Ryzen 3/5/7 2xxx, AMD Opteron†2† and AMD EPYC 7xxx†2†Qualcomm Snapdragon 850†1 Intel Xeon processors are supported on Windows 10 Pro for Workstationsand Windows 10 Enterprise only†2† AMD Opteron and AMD EPYC processors are supported on Windows 10 Pro for Workstations and Windows 10 Enterprise onlyWindows IoT Core Processor tableWindows EditionIntel ProcessorsQualcomm ProcessorBroadcomNXP ProcessorsWindows 10 1703†Up through currently enabled Intel Joule, Atom, Celeron and Pentium Processors†3†Up through currently enabled Qualcomm Snapdragon Processors†3†Up through currently enabled Broadcom Processors†3†N/A/Windows 10 1709†Up through currently enabled Intel Joule, Atom, Celeron and Pentium Processors†3†Up through currently enabled Qualcomm Snapdragon Processors†3†Up through currently enabled Broadcom Processors†3†N/A/Windows 10 IoT Core 1809 (LTSC)†Up through currently enabled Intel Atom, Celeron and Pentium Processors†3†Up through currently enabled Qualcomm Snapdragon Processors†3†Up through currently enabled Broadcom Processors†3†Up through currently enabled NXP †.

processor core iccmax

Information on support is available at Microsoft Support Policy (https://support..microsoft.com/library/windows/hardware/dr015086(=vvs 85).aspx (or updated URL) If after the inclusion of a processor series in this specification ("Listed Processor"), a processor becomes commercially available that uses the same naming convention or identifier as a Listed Processor but has additional or different features or functionality ("New Processor"), Company must not use New Processor for Customer Systems without Microsoft's prior written permission.

processor cores explained

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