

Release dates of desktop microprocessors (2018)

◀ **2017**

2019 ▶

	AMD	Intel
January		
February	<p>First Zen-based desktop APUs 14nm, 4 cores, Radeon Vega graphics</p> <p>Ryzen 3 2200G 3.5GHz / 4MB L3 / 4 cores / Unlocked / Socket AM4</p> <p>Ryzen 5 2400G 3.6GHz / 4MB L3 / 4 cores / Unlocked / Socket AM4</p>	
March		
April	<p>2nd Generation Zen CPUs "Pinnacle Ridge", 12nm, up to 8 cores</p> <p>Ryzen 5 2600X 3.6GHz / 16MB L3 / 6 cores / Unlocked / Socket AM4</p> <p>Ryzen 5 2600 3.4GHz / 16MB L3 / 6 cores / Unlocked / Socket AM4</p> <p>Ryzen 7 2700X 3.7GHz / 16MB L3 / 8 cores / Unlocked / Socket AM4</p> <p>Ryzen 7 2700 3.2GHz / 16MB L3 / 8 cores / Unlocked / Socket AM4</p> <p>Ryzen 3 2200GE 3.2GHz / 4MB L3 / 4 cores / Unlocked / Socket AM4</p> <p>Ryzen 5 2400GE 3.2GHz / 4MB L3 / 4 cores / Unlocked / Socket AM4</p>	<p>8th Generation lineup launch Coffee Lake-S, 14nm, Up to 6 cores</p> <p>Celeron G4900T 2.9GHz / 2MB L3 / 2 cores / Socket 1151</p> <p>Celeron G4900 3.1GHz / 2MB L3 / 2 cores / Socket 1151</p> <p>Celeron G4920 3.2GHz / 2MB L3 / 2 cores / Socket 1151</p> <p>Core i3-8100T 3.1GHz / 6MB L3 / 4 cores / Socket 1151</p> <p>Core i3-8300T 3.2GHz / 8MB L3 / 4 cores / Socket 1151</p> <p>Core i3-8300 3.7GHz / 8MB L3 / 4 cores / Socket 1151</p> <p>Core i5-8400T 1.7GHz / 9MB L3 / 6 cores / Socket 1151</p> <p>Core i5-8500T 2.1GHz / 9MB L3 / 6 cores / Socket 1151</p> <p>Core i5-8500 3GHz / 9MB L3 / 6 cores / Socket 1151</p> <p>Core i5-8600T 2.3GHz / 9MB L3 / 6 cores / Socket 1151</p> <p>Core i5-8600 3.1GHz / 9MB L3 / 6 cores / Socket 1151</p> <p>Core i7-8700T 2.4GHz / 12MB L3 / 6 cores / Socket 1151</p> <p>Pentium G5400T 3.1GHz / 4MB L3 / 2 cores / Socket 1151</p> <p>Pentium G5400 3.7GHz / 4MB L3 / 2 cores / Socket 1151</p> <p>Pentium G5500T</p>

		<p>3.2GHz / 4MB L3 / 2 cores / Socket 1151 Pentium G5500 3.8GHz / 4MB L3 / 2 cores / Socket 1151 Pentium G5600 3.9GHz / 4MB L3 / 2 cores / Socket 1151</p>	...
May	<p>Ryzen PRO APUs <i>"Raven Ridge", 14nm, Vega graphics</i></p> <p>Ryzen 3 PRO 2200G (PRO) 3.5GHz / 4MB L3 / 4 cores / Socket AM4 Ryzen 3 PRO 2200GE (PRO) 3.2GHz / 4MB L3 / 4 cores / Socket AM4 Ryzen 5 PRO 2400G (PRO) 3.6GHz / 4MB L3 / 4 cores / Socket AM4 Ryzen 5 PRO 2400GE (PRO) 3.2GHz / 4MB L3 / 4 cores / Socket AM4</p>		
June		<p>40th anniversary of the Intel 8086 <i>Limited Edition, 5 GHz Turbo</i></p> <p>Core i7-8086K 4GHz / 12MB L3 / 6 cores / Unlocked / Socket 1151</p>	
July			
August	<p>2nd Gen Ryzen Threadripper <i>High-End desktop platform, up to 32 cores, 12nm</i></p> <p>Ryzen Threadripper 2950X 3.5GHz / 32MB L3 / 16 cores / Unlocked / Socket TR4 Ryzen Threadripper 2990WX 3GHz / 64MB L3 / 32 cores / Unlocked / Socket TR4</p>		
September	<p>2nd Gen PRO and energy-efficient CPUs <i>12nm, 4 and 8 cores, multi-threading</i></p> <p>Ryzen 5 2600E 3.1GHz / 16MB L3 / 6 cores / Unlocked / Socket AM4 Ryzen 5 PRO 2600 (PRO) 3.4GHz / 16MB L3 / 6 cores / Unlocked / Socket AM4 Ryzen 7 2700E 2.8GHz / 16MB L3 / 8 cores / Unlocked / Socket AM4 Ryzen 7 PRO 2700 (PRO) 3.2GHz / 16MB L3 / 8 cores / Unlocked / Socket AM4 Ryzen 7 PRO 2700X (PRO) 3.6GHz / 16MB L3 / 8 cores / Unlocked / Socket AM4</p> <p>Low budget "Zen" desktop APUs <i>14nm, multi-threading, Radeon Vega graphics</i></p> <p>Athlon 200GE 3.2GHz / 4MB L3 / 2 cores / Socket AM4 Athlon PRO 200GE (PRO) 3.2GHz / 4MB L3 / 2 cores / Socket AM4</p> <p>Ryzen 3 2300X 3.5GHz / 8MB L3 / 4 cores / Unlocked / Socket AM4 Ryzen 5 2500X 3.6GHz / 8MB L3 / 4 cores / Unlocked / Socket AM4</p>		

October	Ryzen Threadripper 2920X 3.5GHz / 32MB L3 / 12 cores / Unlocked / Socket TR4 Ryzen Threadripper 2970WX 3GHz / 64MB L3 / 24 cores / Unlocked / Socket TR4	Core i5-9600K 3.7GHz / 9MB L3 / 6 cores / Unlocked / Socket 1151 Core i7-9700K 3.6GHz / 12MB L3 / 8 cores / Unlocked / Socket 1151 Core i7-9800X 3.8GHz / 16.5MB L3 / 8 cores / Unlocked / Socket 2066 Core i9-9820X 3.3GHz / 16.5MB L3 / 10 cores / Unlocked / Socket 2066 Core i9-9900K 3.6GHz / 16MB L3 / 8 cores / Unlocked / Socket 1151 Core i9-9900X 3.5GHz / 19.2MB L3 / 10 cores / Unlocked / Socket 2066 Core i9-9920X 3.5GHz / 19.2MB L3 / 12 cores / Unlocked / Socket 2066 Core i9-9940X 3.3GHz / 19.2MB L3 / 14 cores / Unlocked / Socket 2066 Core i9-9960X 3.1GHz / 22MB L3 / 16 cores / Unlocked / Socket 2066 Core i9-9980XE 3GHz / 24.7MB L3 / 18 cores / Unlocked / Socket 2066
November		
December	Athlon 220GE (4th quarter) 2 cores / Socket AM4 Athlon 240GE (4th quarter) 2 cores / Socket AM4	

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Release dates of server microprocessors (2018)

◀ **2017**

	AMD	Intel
January		
February		<p>"Skylake-D" systems-on-a-chip <i>Xeon D-2100 series, 14nm, up to 18 cores</i></p> <p>Xeon D-2123IT 2.2GHz / 8.2MB L3 / 4 cores / BGA2518</p> <p>Xeon D-2141I 2.2GHz / 11MB L3 / 8 cores / BGA2518</p> <p>Xeon D-2142IT 1.9GHz / 11MB L3 / 8 cores / BGA2518</p> <p>Xeon D-2143IT 2.2GHz / 11MB L3 / 8 cores / BGA2518</p> <p>Xeon D-2145NT 1.9GHz / 11MB L3 / 8 cores / BGA2518</p> <p>Xeon D-2146NT 2.3GHz / 11MB L3 / 8 cores / BGA2518</p> <p>Xeon D-2161I 2.2GHz / 16.5MB L3 / 12 cores / BGA2518</p> <p>Xeon D-2163IT 2.1GHz / 16.5MB L3 / 12 cores / BGA2518</p> <p>Xeon D-2166NT 2GHz / 16.5MB L3 / 12 cores / BGA2518</p> <p>Xeon D-2173IT 1.7GHz / 19.2MB L3 / 14 cores / BGA2518</p> <p>Xeon D-2177NT 1.9GHz / 19.2MB L3 / 14 cores / BGA2518</p> <p>Xeon D-2183IT 2.2GHz / 22MB L3 / 16 cores / BGA2518</p> <p>Xeon D-2187NT 2GHz / 22MB L3 / 16 cores / BGA2518</p> <p>Xeon D-2191 1.6GHz / 24.7MB L3 / 18 cores / BGA2518</p>
March		
April		
May		
June	<p>EPYC 7261 (2nd quarter) 2.5GHz / 64MB L3 / 8 cores / Socket SP3</p>	<p>Xeon 6138P (2nd quarter) 2GHz / 27.5MB L3 / 20 cores / Socket 3647</p>

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July	<p>Xeon E processors <i>14nm, Up to 6 cores, Socket 1151</i></p> <p>Xeon E-2124G 3.4GHz / 8MB L3 / 4 cores / Socket 1151</p> <p>Xeon E-2124 3.3GHz / 8MB L3 / 4 cores / Socket 1151</p> <p>Xeon E-2126G 3.3GHz / 12MB L3 / 6 cores / Socket 1151</p> <p>Xeon E-2134 3.5GHz / 8MB L3 / 4 cores / Socket 1151</p> <p>Xeon E-2136 3.3GHz / 12MB L3 / 6 cores / Socket 1151</p> <p>Xeon E-2144G 3.6GHz / 8MB L3 / 4 cores / Socket 1151</p> <p>Xeon E-2146G 3.5GHz / 12MB L3 / 6 cores / Socket 1151</p> <p>Xeon E-2174G 3.8GHz / 8MB L3 / 4 cores / Socket 1151</p> <p>Xeon E-2176G 3.7GHz / 12MB L3 / 6 cores / Socket 1151</p> <p>Xeon E-2186G 3.8GHz / 12MB L3 / 6 cores / Socket 1151</p>
August	
September	<p>Atom C3336 (3rd quarter) 1.5GHz / 4MB L2 / 2 cores / BGA1310</p>
October	
November	
December	

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Release dates of mobile microprocessors (2018)

◀ 2017

2019 ▶

	AMD	Intel	
January	Ryzen 3 mobile processors <i>Raven Ridge, Up to 4 cores, Radeon Vega graphics</i> Ryzen 3 2200U 2.5GHz / 4MB L3 / 2 cores / BGA (FP5) Ryzen 3 2300U 2GHz / 4MB L3 / 4 cores / BGA (FP5)	First CPUs with Radeon RX Vega M GPU <i>Kaby Lake-G, 14nm, 65W and 100W</i> Core i5-8305G 2.8GHz / 6MB L3 / 4 cores / BGA2270 Core i7-8705G 3.1GHz / 8MB L3 / 4 cores / BGA2270 Core i7-8706G 3.1GHz / 8MB L3 / 4 cores / BGA2270 Core i7-8709G 3.1GHz / 8MB L3 / 4 cores / BGA2270 Core i7-8809G 3.1GHz / 8MB L3 / 4 cores / BGA2270	<input type="checkbox"/> M 20 20 20 20 20 20 O 20 20 20
February		Core i3-8130U 2.2GHz / 4MB L3 / 2 cores / BGA1356	
March	PRO A4-4350B (1st quarter) 2.5GHz / 1MB L2 / 2 cores / BGA (FT4) PRO A6-7350B (1st quarter) 3GHz / 1MB L2 / 2 cores / BGA (FT4)		
April		Coffee Lake "U" and "H" CPUs <i>14nm, 28W / 45W / 65W, Up to 6 cores</i> Core i3-8109U 3GHz / 4MB L3 / 128MB L4 / 2 cores / BGA1528 Core i5-8259U 2.3GHz / 6MB L3 / 128MB L4 / 4 cores / BGA1528 Core i5-8269U 2.6GHz / 6MB L3 / 128MB L4 / 4 cores / BGA1528 Core i5-8300H 2.3GHz / 8MB L3 / 4 cores / BGA1440 Core i5-8400B 2.8GHz / 9MB L3 / 6 cores / BGA1440 Core i5-8400H 2.5GHz / 8MB L3 / 4 cores / BGA1440 Core i5-8500B 3GHz / 9MB L3 / 6 cores / BGA1440 Core i7-8559U 2.7GHz / 8MB L3 / 128MB L4 / 4 cores / BGA1528 Core i7-8700B 3.2GHz / 12MB L3 / 6 cores / BGA1440	

		<p>Core i7-8750H 2.2GHz / 9MB L3 / 6 cores / BGA1440</p> <p>Core i7-8850H 2.6GHz / 9MB L3 / 6 cores / BGA1440</p> <p>Core i9-8950HK 2.9GHz / 12MB L3 / 6 cores / Unlocked / BGA1440</p> <hr/> <p>Xeon E-2176M 2.7GHz / 12MB L3 / 6 cores / BGA1440</p> <p>Xeon E-2186M 2.9GHz / 12MB L3 / 6 cores / BGA1440</p>	...
May	<p>Ryzen PRO mobile APUs <i>"Raven Ridge", 14nm, Vega graphics</i></p> <p>Ryzen 3 PRO 2300U (PRO) 2GHz / 4MB L3 / 4 cores / BGA (FP5)</p> <p>Ryzen 5 PRO 2500U (PRO) 2GHz / 4MB L3 / 4 cores / BGA (FP5)</p> <p>Ryzen 7 PRO 2700U (PRO) 2.2GHz / 4MB L3 / 4 cores / BGA (FP5)</p>		
June		<p>Core i3-7020U (2nd quarter) 2.3GHz / 3MB L3 / 2 cores / BGA1356</p> <p>Core i3-8121U (2nd quarter) 2.2GHz / 4MB L3 / 2 cores / BGA</p>	
July		<p>Core i3-8100H 3GHz / 6MB L3 / 4 cores / BGA1440</p>	
August		<p>"Whiskey Lake" U series CPUs <i>14nm, up to 4 cores, 15 Watt TDP</i></p> <p>Core i3-8145U 2.1GHz / 4MB L3 / 2 cores / BGA1528</p> <p>Core i5-8265U 1.6GHz / 6MB L3 / 4 cores / BGA1528</p> <p>Core i7-8565U 1.8GHz / 8MB L3 / 4 cores / BGA1528</p> <p>8th Generation "Y" processors <i>Amber Lake-Y, 14nm, 5 Watt TDP</i></p> <p>Core i5-8200Y 1.3GHz / 4MB L3 / 2 cores / BGA1515</p> <p>Core i7-8500Y 1.5GHz / 4MB L3 / 2 cores / BGA1515</p> <p>Core m3-8100Y 1.1GHz / 4MB L3 / 2 cores / BGA1515</p>	
September	<p>Ryzen high-performance mobile APUs <i>14nm, 4 cores with SMT, Radeon Vega GPU</i></p> <p>Ryzen 5 2600H 3.2GHz / 4MB L3 / 4 cores / BGA (FP5)</p> <p>Ryzen 7 2800H 3.3GHz / 4MB L3 / 4 cores / BGA (FP5)</p>	<p>Core i3-8100B (3rd quarter) 3.6GHz / 6MB L3 / 4 cores / BGA1440</p>	
October			
November			

December

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