CPU Smart Transition

Desktop CPU Overview 2020-2022

Year		2020				20	2022						
Codename, Generation, Architecture	CometLake (CML) 10th Gen / 14nm			CometLake (CML) and CometLake-Refresh (CML-R) 10th Gen / 14nm			11	RocketLake th Gen / 14		AlderLake 12th Gen / Intel 7			
Power	125W	65W	35W	125W	65W	35W	125W	65W	35W	125W	65W	35W	
	7080MT	хх80	xx80MFF	7090MT	xx90	xx90MFF	7090MT	xx90	xx90MFF	7000MT	xx00	xx00MFF	
Systems	 - - -			 	3080	3080MFF					XE4	5400AIO	
Systems				 	7780AIO	3280AIO					5400AIO		
					5490AIO	5490AIO					7400AIO		
System EOML	Q3 FY22			Q3 FY23				Q3 FY23		Q3 FY24			
XEON													
Core i9	10900K	10900	10900T	10900K	10900	10900T	11900K	11900	11900T	12900K	12900	12900T	
Core i7	10700K	10700	10700T	10700K	10700	10700T	11700K	11700	11700T	12700K	12700	12700T	
70		10600	10600T	! ! ! ! !	10600	10600T		11600	11600T	12600K	12600	12600T	
Core i5		10500	10500T	 	10505	10500T		11500	11500T		12500	12500T	
		10400	10400T	! ! !	_	_		11400	11400T		12400	12400T	
Core i3		10300	10300T		10305	10305T		-	-		12300	12300T	
on C		10100	10100T	! ! !	10105	10105T		-	-		12100	12100T	
Pentium Pro		G6500	G6500T	! ! ! !	G6505	G6505T		-	-		-	-	
Pentiam		G6400	G6400T	! ! ! !	G6405	G6405T		-	-		G7400*	G7400T*	
* 2000: 5000: 5400AIO: VE4:		G5900	G5900T	 	G5905	G5905T		-	-		G6900**	G6900T**	

^{* 3000; 5000; 5400}AIO; XE4;

^{** 5000; 3000}

OptiPlex xx00 / D12: Core i5/i7/i9 65W Processor Transition 10th → 12th CPU gen.





^{*} w/o vPro capability

OptiPlex xx00 / D12: Core i5/i7/i9 65W Processor Transition 11th → 12th CPU gen.

Transition from	Transition to	Cores / max. frequency	Performance Gain	Price Delta	
Intel® Core™ i9 11900	Intel® Core™ i9 12900	16C / 5.1 GHz	16%	+\$	Upgrade: Much better perf. at slightly higher price
8C / 5.2GHz	Intel® Core™ i7 12700	12C / 4.9 GHz	12%	-\$\$\$	Bargain: Better perf. at much lower price
	Intel® Core™ i5 12500	6C / 4.6 GHz	7%	-\$\$\$\$\$	Bargain: Slightly better perf. at significantly lower price point
Intel® Core™ i7 11700	Intel® Core™ i7 12700	120 / 4.0 CHz	20%	, ¢	Upgrade: Much better perf. at slightly higher price
8C / 4.9GHz	Intel® Core™ i5 12600	12C / 4.9 GHz	19%	+\$	Bargain: Much better perf. at much lower price
	Intel® Core™ i5 12500	6C / 4.6 GHz	14%	-\$\$\$	Bargain: Better perf. at much lower price point
	intel core is 12300	007 4.0 0112	14/0	-555	Dangain. Detter poin at mast rower price point
Intel® Core™ i5 11500	Intel® Core™ i5 12500	6C / 4.6 GHz	20%	=	Upgrade: Much better perf. at the same price
6C / 4.8GHz	Intel® Core™ i3 12100	4C / 4.3 GHz	2%	-\$\$	Bargain: Slightly better perf. at slightly lower price

^{*} w/o vPro capability



OptiPlex xx00 / D12: Core i5/i7/i9 35W T-Processor Transition 10th → 12th CPU gen.





^{*} w/o vPro capability

OptiPlex xx00 / D12: Core i5/i7/i9 35W T-Processor Transition 11th → 12th CPU gen.





^{*} w/o vPro capability

OptiPlex xx00 / D12: CPU overview

					Kyoto X			Kyoto			Plymouth			Troy			Pompeii
				TOWER											All-in-One		
CPU MODEL	CPU gen	WATT	CORES	XE4	XE4	7000	7000	7000	7000	5000	5000	5000	3000	3000	3000	5400	7400
				MT	SFF	MFF OEM	MT	SFF	MFF	MT	SFF	MFF	MT	SFF	MFF	AIO	AIO
Celeron G6900T			2												V		
Pentium G7400T			2									V			V	V	
i3-12100T			4			V			V			V			V	V	
i3-12300T		35W	4			V			V			٧			٧	V	
i5-12500T		3500	6			V			V			V			V	V	
i5-12600T			6						V			V			V	V	
i7-12700T			12			V			V			V			٧	V	
i9-12900T			16			V			V								
Celeron G6900	ADL Alder Lake		2										V	V			
Pentium G7400			2	٧	V					V	٧		V	V		V	
i3-12100			4	٧	V		V	V	V	V	V		V	V		V	V
i3-12300		65W	4	V	V		V	V	V	V	V		V	V		V	V
i5-12500		0311	6	V	V		V	V	V	V	V		V	V		V	V
i5-12600			6	V	V		V	V	V	V	V		V	V		V	V
i7-12700			12	V	V		V	V	V	V	V					V	V
i9-12900			16	V	V		V	V	V								V
i5-12600K		125W	10				V										
i7-12700K			12				V										
i9-12900K			16				V										

^{*}i5-12400/T: not offered - higher price & lower performance vs. i5-12500/T