



Processor Number	Frequency Type	Clock GHz	CTP	GFLOP	APP 1-way	APP 2-way	APP 4-way
420	Base	1.6	13333	6.4	0.00192	0.00384	0.00768
	Single Core Max Turbo	N/A	N/A	N/A	N/A	N/A	N/A
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
430	Base	1.8	15000	7.2	0.00216	0.00432	0.00864
	Single Core Max Turbo	N/A	N/A	N/A	N/A	N/A	N/A
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
440	Base	2	16667	8	0.0024	0.0048	0.0096
	Single Core Max Turbo	N/A	N/A	N/A	N/A	N/A	N/A
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
445	Base	1.86	15550	7.464	0.0022392	0.0044784	0.0089568
	Single Core Max Turbo	N/A	N/A	N/A	N/A	N/A	N/A
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
450	Base	2.2	18333	8.8	0.00264	0.00528	0.01056
	Single Core Max Turbo	N/A	N/A	N/A	N/A	N/A	N/A
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A

Intel Corporation is providing the Product Export Compliance Matrix which contains the information necessary to complete an export assessment against the US Export Administration Regulations and local export country regulations such as Adjusted Peak Performance (APP) in Weighted Teraflops (WT), Export Control Classification Number (ECCN), AND/OR Harmonized Tariff Number (HTS), etc. APP values are calculated using the Single Core Max Turbo Frequency as published on ark.intel.com. Effective immediately, Intel will only be providing our customers with the APP information for the single core and multi-core processors based on the Single Core Maximum Turbo Boost Technology Frequency information, if applicable.

All information provided in the Product Export Compliance Matrix is strictly a recommendation to the user, and should be used in conjunction with the US Export Administration Regulations (EAR) and local country export regulations when assessing export requirements for the US and local export country.

All the information contained herein are based on Intel product specifications and are subject to change without notice. Intel makes no representation or warranty as to the accuracy or reliability of such specifications. These calculations are provided "AS IS" with no warranties whatsoever, including any warranty of merchantability, noninfringement, fitness for any particular purpose or any warranty otherwise arising out of any proposal, specification or sample. Intel disclaims all liability, including liability for infringement of any proprietary rights, relating to use of information in these calculations. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted herein.