



Processor Number	Frequency Type	Clock GHz	CTP	GFLOP	APP 1-way	APP 2-way	APP 4-way
E5-2403	Base	1.8	72000	57.6	0.01728	0.03456	0.06912
	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
E5-2407	Base	2.2	88000	70.4	0.02112	0.04224	0.08448
	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
E5-2418L	Base	2	80000	64	0.0192	0.0384	0.0768
	Single Core Max Turbo	2.1	84000	67	0.02016	0.04032	0.08064
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2420	Base	1.9	112733	91.2	0.02736	0.05472	0.10944
	Single Core Max Turbo	2.4	142400	115	0.03456	0.06912	0.13824
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2428L	Base	1.8	106800	86.4	0.02592	0.05184	0.10368
	Single Core Max Turbo	2	118667	96	0.0288	0.0576	0.1152
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2430	Base	2.2	130533	105.6	0.03168	0.06336	0.12672
	Single Core Max Turbo	2.7	160200	130	0.03888	0.07776	0.15552
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2430L	Base	2	118667	96	0.0288	0.0576	0.1152
	Single Core Max Turbo	2.5	148333	120	0.036	0.072	0.144
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A



Processor Number	Frequency Type	Clock GHz	CTP	GFLOP	APP 1-way	APP 2-way	APP 4-way
E5-2440	Base	2.4	142400	115.2	0.03456	0.06912	0.13824
	Single Core Max Turbo	2.9	172067	139	0.04176	0.08352	0.16704
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2448L	Base	1.8	141600	115.2	0.03456	0.06912	0.13824
	Single Core Max Turbo	2.1	165200	134	0.04032	0.08064	0.16128
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2449L	Base	1.4	110133	89.6	0.02688	0.05376	0.10752
	Single Core Max Turbo	1.8	142400	115	0.03456	0.06912	0.13824
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2450	Base	2.1	165200	134.4	0.04032	0.08064	0.16128
	Single Core Max Turbo	2.9	228133	186	0.05568	0.11136	0.22272
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2450L	Base	1.8	141600	115.2	0.03456	0.06912	0.13824
	Single Core Max Turbo	2.3	180933	147	0.04416	0.08832	0.17664
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A
E5-2470	Base	2.3	180933	147.2	0.04416	0.08832	0.17664
	Single Core Max Turbo	3.1	243867	198	0.05952	0.11904	0.23808
	GPU ONLY	N/A	N/A	N/A	N/A	N/A	N/A



Processor Number	Frequency Type	Clock GHz	CTP	GFLOP	APP 1-way	APP 2-way	APP 4-way
------------------	----------------	-----------	-----	-------	-----------	-----------	-----------

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](http://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.