



Intel® Core™ M Processors Mobile Processor Comparison Chart



INSTRUCTIONS

1. If the column heading is underlined, clicking on that will take you to a web site or document where you can get more information on that term.
2. Clicking on the individual processor number will take you to the product specification page which contains an expanded set of processor specifications.

<u>Processor Number</u>	<u>Product Collection</u>	<u>Segment</u>	<u>Launch Year</u>	<u># of Cores</u>	<u># of Threads</u>	<u>Processor Base Frequency (GHz)</u>	<u>Max Intel® Turbo Boost Technology 2.0 (GHz)</u>	<u>Intel® Hyper-Threading Technology</u>	<u>Intel® Graphics</u>	<u>Graphics Max Dynamic Frequency</u>	<u>Memory Type and Speed</u>	<u>Intel vPro</u>	<u>Intel® Virtualization Technology (VT-x)</u>	<u>Intel® Virtualization Technology for Directed I/O (VT-d)†</u>	<u>Intel® VT-x with Extended Page Tables (EPT)‡</u>
Intel® Core™ m3-7Y32	7th Generation Intel® Core™ m	Mobile	Q2'17	2	4	1.10	3.00	Yes	Intel® HD Graphics 615	900 MHz	*Up to: LPDDR3-1866, DDR3L-1600	No	Yes	Yes	Yes
Intel® Core™ m3-7Y30	7th Generation Intel® Core™ m	Mobile	Q3'16	2	4	1.00	2.60	Yes	Intel® HD Graphics 615	900 MHz	*Up to: LPDDR3-1866, DDR3L-1600	No	Yes	Yes	Yes
Intel® Core™ m7-6Y75	6th Generation Intel® Core™ m	Mobile	Q3'15	2	4	1.20	3.10	Yes	Intel® HD Graphics 515	1.00 GHz	*Up to: LPDDR3-1866, DDR3L-1600	**Yes	Yes	Yes	Yes
Intel® Core™ m5-6Y57	6th Generation Intel® Core™ m	Mobile	Q3'15	2	4	1.10	2.80	Yes	Intel® HD Graphics 515	900 MHz	*Up to: LPDDR3-1866, DDR3L-1600	**Yes	Yes	Yes	Yes
Intel® Core™ m5-6Y54	6th Generation Intel® Core™ m	Mobile	Q3'15	2	4	1.10	2.70	Yes	Intel® HD Graphics 515	900 MHz	*Up to: LPDDR3-1866, DDR3L-1600	No	Yes	Yes	Yes
Intel® Core™ m3-6Y30	6th Generation Intel® Core™ m	Mobile	Q3'15	2	4	0.90	2.20	Yes	Intel® HD Graphics 515	850 MHz	*Up to: LPDDR3-1866, DDR3L-1600	No	Yes	Yes	Yes
Intel® Core™ M-5Y71	5th Generation Intel® Core™ m	Mobile	Q4'14	2	4	1.20	2.90	Yes	Intel® HD Graphics 5300	900 MHz	*Up to: LPDDR3-1333, LPDDR3-1600, DDR3L/DDR3L-RS 1600	**Yes	Yes	Yes	Yes
Intel® Core™ M-5Y51	5th Generation Intel® Core™ m	Mobile	Q4'14	2	4	1.10	2.60	Yes	Intel® HD Graphics 5300	900 MHz	*Up to: LPDDR3-1333, LPDDR3-1600, DDR3L/DDR3L-RS 1600	No	Yes	Yes	Yes
Intel® Core™ M-5Y31	5th Generation Intel® Core™ m	Mobile	Q4'14	2	4	0.90	2.40	Yes	Intel® HD Graphics 5300	850 MHz	*Up to: LPDDR3-1333, LPDDR3-1600, DDR3L/DDR3L-RS 1600	No	Yes	Yes	Yes
Intel® Core™ M-5Y10c	5th Generation Intel® Core™ m	Mobile	Q4'14	4	4	0.80	2.00	No	Intel® HD Graphics 5300	800 MHz	*Up to: LPDDR3-1333, LPDDR3-1600, DDR3L/DDR3L-RS 1600	No	Yes	Yes	Yes
Intel® Core™ M-5Y10	5th Generation Intel® Core™ m	Mobile	Q3'14	2	4	0.80	2.00	Yes	Intel® HD Graphics 5300	800 MHz	*Up to: LPDDR3-1333, LPDDR3-1600, DDR3L/DDR3L-RS 1600	No	Yes	Yes	Yes
Intel® Core™ M-5Y70	5th Generation Intel® Core™ m	Mobile	Q3'14	2	4	1.10	2.60	Yes	Intel® HD Graphics 5300	850 MHz	*Up to: LPDDR3-1333, LPDDR3-1600, DDR3L/DDR3L-RS 1600	**Yes	Yes	Yes	Yes
Intel® Core™ M-5Y10a	5th Generation Intel® Core™ m	Mobile	Q3'14	2	4	0.80	2.00	Yes	Intel® HD Graphics 5300	800 MHz	*Up to: LPDDR3-1333, LPDDR3-1600, DDR3L/DDR3L-RS 1600	No	Yes	Yes	Yes

*	Type and speed of memory can vary between laptops
**	Refer to the laptop manufacturer for vPro support

Technical Documents (Datasheets, Design Guides, etc)

<https://www.intel.com/content/www/us/en/processors/core/core-technical-resources.html>

Intel® Core™ Mobile Processor Support Documents

[How to Find Processors Name and Number](#)

[How to Identify Intel® Processor Generation](#)

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