



## Core™ i3 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 Name</u>	<u>Product Collection</u>	<u>Segment</u>	<u>Lithography (nm)</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), IO (VT-d), EPT</u>
<a href="#">i3-1005G1</a>	10th Generation Intel® Core™ i3	Mobile	10 nm	Q3'19	2	4	1.20	3.40	Yes	Intel® UHD Graphics	900 MHz	*Up to: DDR4-3200, LPDDR4-3733	No	Yes
<a href="#">i3-10110U</a>	10th Generation Intel® Core™ i3	Mobile	14 nm	Q3'19	2	4	2.10	4.10	Yes	Intel® UHD Graphics	1.00 GHz	*Up to: DDR4-2666, LPDDR3-2133	No	Yes
<a href="#">i3-10110Y</a>	10th Generation Intel® Core™ i3	Mobile	14 nm	Q3'19	2	4	2.10	4.10	Yes	Intel® UHD Graphics	1.00 GHz	*Up to: DDR4-2666, LPDDR3-2133	No	Yes
<a href="#">i3-8109U</a>	8th Generation Intel® Core™ i3	Mobile	14 nm	Q2'18	2	4	3.00	3.60	Yes	Intel® Iris™ Plus Graphics 655	1.05 GHz	*Up to: DDR4-2400, LPDDR3-2133	No	Yes
<a href="#">i3-8130U</a>	8th Generation Intel® Core™ i3	Mobile	14 nm	Q1'18	2	4	2.20	3.40	Yes	Intel® UHD Graphics 620	1.00 GHz	*Up to: DDR4-2400, LPDDR3-2133	No	Yes
<a href="#">i3-7130U</a>	7th Generation Intel® Core™ i3	Mobile	14 nm	Q2'17	2	4	2.70	N/A	Yes	Intel® HD Graphics 620	1.00 GHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	Yes
<a href="#">i3-7167U</a>	7th Generation Intel® Core™ i3	Mobile	14 nm	Q1'17	2	4	2.80	N/A	Yes	Intel® Iris™ Plus Graphics 650	1.00 GHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	Yes
<a href="#">i3-7100H</a>	7th Generation Intel® Core™ i3	Mobile	14 nm	Q1'17	2	4	3.00	N/A	Yes	Intel® HD Graphics 630	950 MHz	*Up to: DDR4-2400, LPDDR3-2133, DDR3L-1600	No	Yes
<a href="#">i3-7100U</a>	7th Generation Intel® Core™ i3	Mobile	14 nm	Q3'16	2	4	2.40	N/A	Yes	Intel® HD Graphics 620	1.00 GHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	Yes
<a href="#">i3-6006U</a>	6th Generation Intel® Core™ i3	Mobile	14 nm	Q4'16	2	4	2.00	N/A	Yes	Intel® HD Graphics 520	900 MHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	Yes
<a href="#">i3-6157U</a>	6th Generation Intel® Core™ i3	Mobile	14 nm	Q3'16	2	4	2.40	N/A	Yes	Intel® Iris™ Graphics 550	1.00 GHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	Yes
<a href="#">i3-6100H</a>	6th Generation Intel® Core™ i3	Mobile	14 nm	Q3'15	2	4	2.70	N/A	Yes	Intel® HD Graphics 530	900 MHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	Yes
<a href="#">i3-6100U</a>	6th Generation Intel® Core™ i3	Mobile	14 nm	Q3'15	2	4	2.30	N/A	Yes	Intel® HD Graphics 520	1.00 GHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	Yes
<a href="#">i3-6167U</a>	6th Generation Intel® Core™ i3	Mobile	14 nm	Q3'15	2	4	2.70	N/A	Yes	Intel® Iris™ Graphics 550	1.00 GHz	*Up to: DDR4-2133, LPDDR3-1866, DDR3L-1600	No	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](#)

### Find Your New PC (Laptop / 2 in 1)

<https://www.intel.com/buy/us/en/audience/find-your-new-pc>  
<https://www.intel.com/buy/us/en/catalog/laptops/ai>