

ideapad 330 (15") Intel 81DC0051MX

Region
WE

Country
Nordics

Machine Type
81DC

Processor
Core i7-7500U (2C, 2.7 / 3.5GHz, 4MB)

Graphics
Integrated Intel HD Graphics 620

Memory
4GB Soldered + 4GB DIMM DDR4-2133

Display
15.6" FHD (1920x1080) Anti-glare

Multi-touch
None

Storage
1TB 5400rpm + 128GB SSD

Optical
None

Ethernet
100/1000M

WLAN + Bluetooth
11ac, 1x1 + BT4.1

Color
Onyx Black

Camera
0.3MP

Microphone
Monaural

Keyboard
Non-backlit

Fingerprint Reader
None

Battery
30Wh

Power Adapter
45W

Operating System
Windows 10 Home 64

Warranty
2-year, Depot

Ann Date (mm/yy)
06/18

Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "***" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries

 www.lenovo.com

This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<http://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.

© Lenovo, 2018. All rights reserved.



Lenovo™

ideapad 330 (15") Intel Platform Specifications

Product Specifications Reference (PSREF)



Processor	<p>15IKB: Intel® Pentium® Processor or 7th Generation Intel Core™ i5 / i7 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Pen 4415U</td> <td rowspan="5">2</td> <td rowspan="5">4</td> <td>2.3 GHz</td> <td>-</td> <td>2MB</td> <td rowspan="5">DDR4-2133</td> <td>Intel HD Graphics 610</td> </tr> <tr> <td>i3-7100U</td> <td>2.4 GHz</td> <td>-</td> <td rowspan="4">3MB</td> <td rowspan="4">Intel HD Graphics 620</td> </tr> <tr> <td>i3-7130U</td> <td>2.7 GHz</td> <td>-</td> </tr> <tr> <td>i5-7200U</td> <td>2.5 GHz</td> <td>3.1 GHz</td> </tr> <tr> <td>i7-7500U</td> <td>2.7 GHz</td> <td>3.5 GHz</td> <td>4MB</td> </tr> </tbody> </table> <p>15IKBR: 7th or 8th Generation Intel Core i3 / i5 / i7 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-7020U</td> <td rowspan="2">2</td> <td rowspan="2">4</td> <td>2.3 GHz</td> <td>-</td> <td>3MB</td> <td rowspan="2">DDR4-2133</td> <td>Intel HD Graphics 620</td> </tr> <tr> <td>i3-8130U</td> <td>2.2 GHz</td> <td>3.4 GHz</td> <td>4MB</td> <td>Intel UHD Graphics 620</td> </tr> <tr> <td>i5-8250U</td> <td rowspan="2">4</td> <td rowspan="2">8</td> <td>1.6 GHz</td> <td>3.4 GHz</td> <td>6MB</td> <td rowspan="2">DDR4-2133</td> <td rowspan="2">Intel UHD Graphics 620</td> </tr> <tr> <td>i7-8550U</td> <td>1.8 GHz</td> <td>4.0 GHz</td> <td>8MB</td> </tr> </tbody> </table> <p>15ICH: 8th Generation Intel Core i5 / i7 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i5-8300H</td> <td>4</td> <td>8</td> <td>2.3 GHz</td> <td>4.0 GHz</td> <td>8MB</td> <td rowspan="2">DDR4-2400</td> <td rowspan="2">Intel UHD Graphics 630</td> </tr> <tr> <td>i7-8750H</td> <td>6</td> <td>12</td> <td>2.2 GHz</td> <td>4.1 GHz</td> <td>9MB</td> </tr> </tbody> </table> <p>15ICN: 8th Generation Intel Core i3 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>i3-8121U</td> <td>2</td> <td>4</td> <td>2.2 GHz</td> <td>3.2 GHz</td> <td>4MB</td> <td>DDR4-2400</td> <td>-</td> </tr> </tbody> </table> <p>15IGM: Intel Celeron® Processor, Intel Pentium Processor or 6th Generation Intel Core i3 Processor</p> <table border="1"> <thead> <tr> <th>Processor Number</th> <th># of Cores</th> <th># of Threads</th> <th>Base Frequency</th> <th>Max Turbo Frequency</th> <th>Cache</th> <th>Memory Types</th> <th>Processor Graphics</th> </tr> </thead> <tbody> <tr> <td>Cel N4000</td> <td rowspan="2">2</td> <td rowspan="2">2</td> <td>1.1 GHz</td> <td>2.6 GHz</td> <td rowspan="2">4MB</td> <td rowspan="2">DDR4-2400</td> <td>Intel UHD Graphics 600</td> </tr> <tr> <td>Cel N4100</td> <td>1.1 GHz</td> <td>2.4 GHz</td> <td>Intel UHD Graphics 605</td> </tr> <tr> <td>Pen N5000</td> <td>4</td> <td>4</td> <td>1.1 GHz</td> <td>2.7 GHz</td> <td rowspan="2">3MB</td> <td rowspan="2">DDR4-2133</td> <td>Intel HD Graphics 620</td> </tr> <tr> <td>i3-6006U</td> <td>2</td> <td>4</td> <td>2.0 GHz</td> <td>-</td> </tr> </tbody> </table>							Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Pen 4415U	2	4	2.3 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	i3-7100U	2.4 GHz	-	3MB	Intel HD Graphics 620	i3-7130U	2.7 GHz	-	i5-7200U	2.5 GHz	3.1 GHz	i7-7500U	2.7 GHz	3.5 GHz	4MB	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i3-7020U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	i3-8130U	2.2 GHz	3.4 GHz	4MB	Intel UHD Graphics 620	i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2133	Intel UHD Graphics 620	i7-8550U	1.8 GHz	4.0 GHz	8MB	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i5-8300H	4	8	2.3 GHz	4.0 GHz	8MB	DDR4-2400	Intel UHD Graphics 630	i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	i3-8121U	2	4	2.2 GHz	3.2 GHz	4MB	DDR4-2400	-	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Cel N4000	2	2	1.1 GHz	2.6 GHz	4MB	DDR4-2400	Intel UHD Graphics 600	Cel N4100	1.1 GHz	2.4 GHz	Intel UHD Graphics 605	Pen N5000	4	4	1.1 GHz	2.7 GHz	3MB	DDR4-2133	Intel HD Graphics 620	i3-6006U	2	4	2.0 GHz	-	Chipset	<p>15ICH: Intel HM370 chipset; <i>others:</i> Intel SoC (System on Chip) platform</p> <p>15IKB&IKBR: 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket</p> <p>15ICH: 16GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket</p> <p>15ICN: 12GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket</p> <p>15IGM: 8GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket</p>
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																																																																																																																									
Pen 4415U	2	4	2.3 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610																																																																																																																																									
i3-7100U			2.4 GHz	-	3MB		Intel HD Graphics 620																																																																																																																																									
i3-7130U			2.7 GHz	-																																																																																																																																												
i5-7200U			2.5 GHz	3.1 GHz																																																																																																																																												
i7-7500U			2.7 GHz	3.5 GHz				4MB																																																																																																																																								
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																																																																																																																									
i3-7020U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620																																																																																																																																									
i3-8130U			2.2 GHz	3.4 GHz	4MB		Intel UHD Graphics 620																																																																																																																																									
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2133	Intel UHD Graphics 620																																																																																																																																									
i7-8550U			1.8 GHz	4.0 GHz	8MB																																																																																																																																											
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																																																																																																																									
i5-8300H	4	8	2.3 GHz	4.0 GHz	8MB	DDR4-2400	Intel UHD Graphics 630																																																																																																																																									
i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB																																																																																																																																											
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																																																																																																																									
i3-8121U	2	4	2.2 GHz	3.2 GHz	4MB	DDR4-2400	-																																																																																																																																									
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics																																																																																																																																									
Cel N4000	2	2	1.1 GHz	2.6 GHz	4MB	DDR4-2400	Intel UHD Graphics 600																																																																																																																																									
Cel N4100			1.1 GHz	2.4 GHz			Intel UHD Graphics 605																																																																																																																																									
Pen N5000	4	4	1.1 GHz	2.7 GHz	3MB	DDR4-2133	Intel HD Graphics 620																																																																																																																																									
i3-6006U	2	4	2.0 GHz	-																																																																																																																																												
Memory								Display	<p><i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare or glossy, LED backlight, 200 nits, 16:9 aspect ratio</p> <p><i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio</p>																																																																																																																																							
								Multi-touch (opt)	On-cell touch, supports 10-finger multi-touch																																																																																																																																							
								Storage	<p><i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high</p> <p><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide</p> <p><i>Some:</i> M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s</p> <p><i>Some:</i> Intel Optane™ Memory, 16GB, M.2</p>																																																																																																																																							
								Optical (optional)	DVD burner, 9.0mm high, fixed, tray-in																																																																																																																																							
								Ethernet	10/100M or 100/1000M Ethernet connection																																																																																																																																							
								WLAN	<p><i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card 																																																																																																																																							
								Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter																																																																																																																																							
								Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)																																																																																																																																							
								Ports	<p>15IGM: one USB 2.0, one USB 3.1 Gen 1 (USB 3.0), audio combo jack, security keyhole, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack</p> <p><i>Others:</i> two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1, audio combo jack, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack, security keyhole</p>																																																																																																																																							
								Dimensions	<i>WxDxH:</i> 14.89" x 10.24" x 0.9"; 378mm x 260mm x 22.9mm																																																																																																																																							
								Weight	2.2 kg (4.85 lb)																																																																																																																																							
								Case color	Blizzard white, platinum grey, onyx black, mid night blue, coral red, plum purple, or chocolate brown																																																																																																																																							
								Case material	PC/ABS plastic																																																																																																																																							
								Camera	<p><i>Some:</i> 0.3MP resolution, fixed focus, with single microphone</p> <p><i>Some:</i> 720p HD, 1.0MP resolution, fixed focus, with dual array microphone</p> <p><i>Some:</i> 720p HD, 1.0MP resolution, fixed focus, with single microphone</p>																																																																																																																																							
								Audio support	HD Audio, stereo speakers with Dolby® Audio Certification, 1.5W x 2 / single microphone, audio combo jack																																																																																																																																							
Graphics	<p>15IKB: Intel HD Graphics 610 / 620 in processor only, Intel HD Graphics 610 / 620 in processor and AMD Radeon™ 530 (2GB or 4GB GDDR5 memory), or Intel HD Graphics 610 / 620 in processor and NVIDIA GeForce MX 110 / MX 130 (2GB GDDR5 memory)</p> <p>15IKBR: Intel HD Graphics 620 or UHD Graphics 620 in processor only, Intel HD Graphics 620 or UHD Graphics 620 in processor and AMD Radeon 530 (2GB or 4GB GDDR5 memory), Intel HD Graphics 620 or UHD Graphics 620 in processor and NVIDIA GeForce MX 150 (2GB or 4GB GDDR5 memory)</p> <p>15ICH: Intel UHD Graphics 630 and NVIDIA® GeForce® GTX 1050 (2GB or 4GB GDDR5 memory)</p> <p>15ICN: AMD Radeon 540 (2GB GDDR5 memory)</p> <p>15IGM: Intel HD Graphics 520, Intel UHD Graphics 600 or UHD Graphics 605 in processor only, Intel UHD Graphics 600 or UHD Graphics 605 in processor and AMD Radeon 530 (2GB GDDR5 memory)</p> <p>supports external digital monitor via HDMI; supports two independent displays; Max resolution: 1920x1080@60Hz (HDMI)</p>							Keyboard	6-row, multimedia Fn keys, numeric keypad, optional backlight																																																																																																																																							
								Touchpad	One-piece multi-touch touchpad																																																																																																																																							
								Security	Supervisor password, power-on password, hard-disk password (only Non- Intel Optane memory model), security keyhole																																																																																																																																							
								Security chip	Firmware TPM 2.0																																																																																																																																							
								Fingerprint reader	None																																																																																																																																							
								Battery	Integrated Li-ion 30Wh, 35Wh or 45Wh battery																																																																																																																																							
								Max battery life	<p><i>MobileMark® 2014:</i></p> <p>15IKB / IKBR / 15IGM: 5.5 hrs (30Wh) / 6 hrs (35Wh)</p> <p>15ICH: 8 hrs (45Wh)</p> <p>15ICN: 4.5 hrs (35Wh)</p>																																																																																																																																							
								AC adapter	<p>15ICH: 90W slim tip AC adapter</p> <p><i>Others:</i> 45W or 65W slim tip AC adapter</p>																																																																																																																																							
								Preload (opt)	Windows® 10 Home 64 or Windows 10 Pro 64																																																																																																																																							
								Limited warranty	<p><i>One of the following, configurable by model:</i></p> <ul style="list-style-type: none"> 1-year Mail-in repair service 1-year depot repair service 2-year/1-yr battery depot repair service 																																																																																																																																							
								Environment	ErP Lot 3; ENERGY STAR® 6.1; RoHS-compliant																																																																																																																																							

ideapad 330 (15") Intel

