

ideapad 330 (15") Intel Platform Specifications

Product Specifications Reference (PSREF)

Processor	15IKB: Intel® Pentium® Processor or 7th Generation Intel Core™ i5 / i7 Processor								
	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			
	15IKBR: 7th or 8th Generation Intel Core i3 / i5 / i7 Processor								
	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			
	i7-8550U			1.8 GHz	4.0 GHz	8MB			
	15ICH: 8th Generation Intel Core i5 / i7 Processor								
	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			
	15ICN: 8th Generation Intel Core i3 Processor								
	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	-	
	15IGM: Intel Celeron® Processor, Intel Pentium Processor or 6th Generation Intel Core i3 Processor								
	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	4	4	1.1 GHz	2.4 GHz			Intel UHD Graphics 605	
	Pen N5000			1.1 GHz	2.7 GHz			Intel HD Graphics 520	
	i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	
Graphics	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)								
	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)								
	15ICH: Intel UHD Graphics 630 and NVIDIA® GeForce® GTX 1050 (2GB or 4GB GDDR5 memory)								
	15ICN: AMD Radeon 540 (2GB GDDR5 memory)								
	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)								
	supports external digital monitor via HDMI;								
	supports two independent displays;								
	Max resolution: 1920x1080@60Hz (HDMI)								
	Chipset Memory	15ICH: Intel HM370 chipset; others: Intel SoC (System on Chip) platform							
15IKB&IKBR: 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									
15ICH: 16GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									
15ICN: 12GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									
15IGM: 8GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket									
Display		Some: 15.6" (396mm) HD (1366x768), anti-glare or glossy, LED backlight, 200 nits, 16:9 aspect ratio Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio							
Multi-touch (opt)		On-cell touch, supports 10-finger multi-touch							
Storage		Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: SSD / SATA 6.0Gb/s, 2.5" wide Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: Intel Optane™ Memory, 16GB, M.2							
Optical (optional)	DVD burner, 9.0mm high, fixed, tray-in								
Ethernet	10/100M or 100/1000M Ethernet connection								
WLAN	One of the following, configurable by model: • 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 Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) 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 Others: 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								
Dimensions	WxDxH: 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	Some: 0.3MP resolution, fixed focus, with single microphone Some: 720p HD, 1.0MP resolution, fixed focus, with dual array microphone Some: 720p HD, 1.0MP resolution, fixed focus, with single microphone								
Audio support	HD Audio, stereo speakers with Dolby® Audio Certification, 1.5W x 2 / single microphone, audio combo jack								
Keyboard Touchpad	6-row, multimedia Fn keys, numeric keypad, optional backlight 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	MobileMark® 2014: 15IKB / IKBR / 15IGM: 5.5 hrs (30Wh) / 6 hrs (35Wh) 15ICH: 8 hrs (45Wh) 15ICN: 4.5 hrs (35Wh)								
AC adapter	15ICH: 90W slim tip AC adapter Others: 45W or 65W slim tip AC adapter								
Preload (opt)	Windows® 10 Home 64 or Windows 10 Pro 64								
Limited warranty	One of the following, configurable by model: • 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								