

ideapad 320 (15"), 320 (15" Touch) Platform Specifications

Product Specifications Reference (PSREF)

Processor	320-15ABR: AMD A-Series APUs and FX™ APUs							Graphics	320-15ABR:	AMD Radeon R5 or R7 Graphics in processor only, or AMD Radeon R5 or R7 Graphics in processor and AMD Radeon 530 (2GB or 4GB GDDR5 memory)
	Processor Number	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		320-15AST:	AMD Radeon R2, R3, R4, or R5 Graphics in processor only, or AMD Radeon R2, R3, R4, or R5 Graphics in processor and AMD Radeon 530 (2GB or 4GB GDDR5 memory);
	A10-9620P	4	2.5 GHz	3.4 GHz	2MB	DDR4-1866	AMD Radeon™ R5 Graphics		320-15IAP:	Intel HD Graphics 500 or 505 in processor only, or Intel HD Graphics 500 or 505 in processor and AMD Radeon 530 (2GB GDDR5 memory)
	A12-9720P		2.7 GHz	3.6 GHz			AMD Radeon R7 Graphics		320-15IKB:	Intel HD Graphics 520, 610, or 620 in processor only, or Intel HD Graphics 620 in processor and NVIDIA GeForce® 920MX (2GB GDDR5 memory), 940MX (2GB or 4GB GDDR5 memory), or AMD Radeon 530 (2GB or 4GB GDDR5 memory)
	FX-9800P		2.7 GHz	3.6 GHz					320 Touch-15IKB:	Intel HD Graphics 620 in processor only, or Intel HD Graphics 620 in processor and NVIDIA GeForce 940MX, 2GB or 4GB GDDR5 memory
	320-15AST: AMD A-Series APUs and E-Series APUs									supports dual independent display; Max resolution: 1920x1080@60Hz (HDMI)
	Processor Number	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics		Storage	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: M.2 SSD / PCIe 3.0, 8Gb/s (320-15IKB only)
	E2-9000	2	1.8 GHz	2.2 GHz		DDR4-1866	AMD Radeon R2 Graphics		Optical (optional)	DVD burner, 9.0mm high, fixed, not removable, tray-in
	A4-9120		2.2 GHz	2.5 GHz			AMD Radeon R3 Graphics		Display	Some: 15.6" (396mm) HD (1366x768), glossy, LED backlight, 200 nits, 16:9 aspect ratio (320 Touch-15IKB) Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio
	A6-9220		2.5 GHz	2.9 GHz	1MB	DDR4-2133	AMD Radeon R4 Graphics		Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio	
A9-9420	3.0 GHz		3.6 GHz	AMD Radeon R5 Graphics			Multi-touch (opt)	On-cell touch, supports 10-finger gesture (320 Touch-15IKB)		
320-15IAP: Intel® Celeron® processor or Intel Pentium® Processor							Ethernet	320-15AST & 15IAP: 10/100M Ethernet connection Others: Gigabit Ethernet connection		
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	WLAN	11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card	
Cel N3350	2	2	1.1 GHz	2.4 GHz	2MB	DDR3L-1600	Intel HD Graphics 500	Bluetooth™	Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Cel N3450	4	4	1.1 GHz	2.2 GHz			Intel HD Graphics 505	Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Pen N4200	4	4	1.1 GHz	2.5 GHz				Ports	320-15AST & 15IAP: one USB 3.1 Gen 1 (USB 3.0), one USB 2.0 Others: two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1 All: HDMI 1.4b, Ethernet (RJ-45)	
320-15IKB: 6th Generation Intel Core™ i3 / i5 / i7 Processor or							Dimensions	WxDxH: 14.88" x 10.24" x 0.90"; 378mm x 260mm x 22.9mm		
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight	2.2 kg (4.85 lb)	
i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	Case color	Onyx black, blizzard white, platinum grey, denim blue, plum purple, or coral red (for fingerprint reader model, only platinum grey and Onyx black are available)	
i5-6200U			2.3 GHz	2.8 GHz	3MB			Case material	PC/ABS plastic	
i7-6500U			2.5 GHz	3.1 GHz	4MB			Camera	0.3MP or HD720p (1.0MP), fixed focus, integrated monaural microphone	
			2.5 GHz	3.1 GHz	4MB			Audio support	HD Audio, stereo speakers with Dolby® Audio, 1.5W x 2 / monaural microphone, combo audio / microphone jack	
Intel Pentium Processor or 7th Generation Intel Core i3 / i5 / i7 Processor							Security	Power-on password, hard disk password, supervisor password, security keyhole		
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Security chip	None	
Pen 4415U	2	4	2.3 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	Fingerprint reader	Optional for 320-15ABR / 15IKB / Touch-15IKB: touch style fingerprint reader on the palm rest	
i3-7100U			2.4 GHz	-	3MB			Battery	Integrated Li-Polymer 2-cell (30Wh or 35Wh) battery	
i5-7200U			2.5 GHz	3.1 GHz	3MB			Max battery life	MobileMark® 2014: 4.5 hr (320-15ABR) / 6 hr (others)	
i7-7500U			2.7 GHz	3.5 GHz	4MB			AC adapter	45W or 65W AC adapter	
320 Touch-15IKB: 7th Generation Intel Core i3 / i5 / i7 Processor							Preload	Windows® 10 Home 64		
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	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	
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	Environment	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant	
i5-7200U			2.5 GHz	3.1 GHz	3MB					
i7-7500U			2.7 GHz	3.5 GHz	4MB					
			2.7 GHz	3.5 GHz	4MB					
Chipset	Intel or AMD SoC (System on Chip) platform									
Memory	320-15ABR: 16GB max / 1866MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									
	320-15AST: 8GB max / 2133MHz DDR4, one DDR4 SO-DIMM socket									
	320-15IAP: 8GB max / 1600MHz DDR3L, one DDR3L SO-DIMM socket									
	Others: 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket									
	* System clocks down for processors with lower memory controller									
Keyboard	6-row, multimedia Fn keys, numeric keypad									
Touchpad	One-piece multi-touch touchpad									