

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 or 4GB 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		
	E2-9000	2	1.8 GHz	2.2 GHz		DDR4-1866	AMD Radeon R2 Graphics		Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high		
	A4-9120		2.2 GHz	2.5 GHz	1MB	DDR4-2133	AMD Radeon R3 Graphics		Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high		
	A6-9220		2.5 GHz	2.9 GHz			AMD Radeon R4 Graphics		Some: M.2 SSD / PCIe 3.0, 8Gb/s (320-15IKB only)		
A9-9420	3.0 GHz		3.6 GHz	AMD Radeon R5 Graphics			DVD burner, 9.0mm high, fixed, not removable, tray-in				
320-15IAP: Intel® Celeron® processor or Intel Pentium® Processor								Optical (optional)			
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Display			
Cel N3350	2	2	1.1 GHz	2.4 GHz	2MB	DDR3L-1600	Intel HD Graphics 500	Some: 15.6" (396mm) HD (1366x768), glossy, LED backlight, 200 nits, 16:9 aspect ratio (320 Touch-15IKB only)			
Cel N3450	4	4	1.1 GHz	2.2 GHz			Intel HD Graphics 505	Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio			
Pen N4200	4	4	1.1 GHz	2.5 GHz				Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio			
320-15IKB: 6th Generation Intel Core™ i3 / i5 / i7 Processor or								Multi-touch (opt)			
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Ethernet			
i3-6006U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520	320-15AST & 15IAP: 10/100M Ethernet connection			
i5-6200U			2.3 GHz	2.8 GHz	3MB			Others: Gigabit Ethernet connection			
i7-6500U			2.5 GHz	3.1 GHz	4MB			WLAN			
Intel Pentium Processor or 7th Generation Intel Core i3 / i5 / i7 Processor								Bluetooth™			
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader Ports			
Pen 4415U	2	4	2.3 GHz	-	2MB	DDR4-2133	Intel HD Graphics 610	4-in-1 reader (MMC, SD, SDHC, SDXC)			
i3-7100U			2.4 GHz	-	3MB		Intel HD Graphics 620	320-15AST & 15IAP: one USB 3.1 Gen 1 (USB 3.0), one USB 2.0			
i5-7200U			2.5 GHz	3.1 GHz	3MB			Others: two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1			
i7-7500U			2.7 GHz	3.5 GHz	4MB			All: HDMI 1.4b, Ethernet (RJ-45)			
320 Touch-15IKB: 7th Generation Intel Core i3 / i5 / i7 Processor								Dimensions			
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Weight			
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	2.2 kg (4.85 lb)			
i5-7200U			2.5 GHz	3.1 GHz	3MB		Case color				
i7-7500U			2.7 GHz	3.5 GHz	4MB		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)				
320 Touch-15IKB: 7th Generation Intel Core i3 / i5 / i7 Processor								Case material			
Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Camera			
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620	0.3MP or HD720p (1.0MP), fixed focus, integrated monaural microphone			
i5-7200U			2.5 GHz	3.1 GHz	3MB		Audio support				
i7-7500U			2.7 GHz	3.5 GHz	4MB		HD Audio, stereo speakers with Dolby® Audio, 1.5W x 2 / monaural microphone, combo audio / microphone jack				
Chipset								Security			
Memory								Security chip			
320-15ABR: 16GB max / 1866MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket								Fingerprint reader			
320-15AST: 8GB max / 2133MHz DDR4, one DDR4 SO-DIMM socket								Battery			
320-15IAP: 8GB max / 1600MHz DDR3L, one DDR3L SO-DIMM socket								Max battery life			
Others: 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket								AC adapter			
* System clocks down for processors with lower memory controller								Preload			
Keyboard								Limited warranty			
Touchpad								Environment			