

# ideapad 320 (15") AMD Platform Specifications - 15ABR / 15AST

Product Specifications Reference (PSREF)

Processor	15ABR: AMD A-Series APUs and FX™ APUs						Ethernet	15ABR: Gigabit Ethernet connection 15AST: 10/100M Ethernet connection	
	Processor Number	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	WLAN Bluetooth™	11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
	A10-9620P	4	2.5 GHz	3.4 GHz	2MB	DDR4-1866	AMD Radeon™ R5 Graphics	Dimensions	WxDxH: 14.88" x 10.24" x 0.90"; 378mm x 260mm x 22.9mm
	A12-9720P		2.7 GHz	3.6 GHz			AMD Radeon R7 Graphics	Weight	2.2 kg (4.85 lb)
	FX-9800P		2.7 GHz	3.6 GHz				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)
	15AST: AMD A-Series APUs and E-Series APUs						Case material	PC/ABS plastic	
	Processor Number	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics	Media reader Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) 15ABR: two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1 15AST: one USB 3.1 Gen 1 (USB 3.0), one USB 2.0 All: HDMI 1.4b, Ethernet (RJ-45)
	E2-9000	2	1.8 GHz	2.2 GHz	1MB	DDR4-2133	AMD Radeon R2 Graphics	Camera	0.3MP or HD720p (1.0MP), fixed focus, integrated monaural microphone
	A4-9120		2.2 GHz	2.5 GHz			AMD Radeon R3 Graphics	Audio support	HD Audio, stereo speakers with Dolby® Audio, 1.5W x 2 / monaural microphone, combo audio / microphone jack
	A6-9220		2.5 GHz	2.9 GHz			AMD Radeon R4 Graphics	Keyboard	6-row, multimedia Fn keys, numeric keypad
	A9-9420		3.0 GHz	3.6 GHz			AMD Radeon R5 Graphics	Touchpad	One-piece multi-touch touchpad
Graphics	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) 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); supports dual independent display; Max resolution: 1920x1080@60Hz (HDMI)						Security	Power-on password, hard disk password, supervisor password, security keyhole	
Chipset	AMD SoC (System on Chip) platform						Security chip	None	
Memory	15ABR: 16GB max / 1866MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket 15AST: 8GB max / 2133MHz DDR4, one DDR4 SO-DIMM socket * System clocks down for processors with lower memory controller						Fingerprint reader	Optional for 15ABR: touch style fingerprint reader on the palm rest	
Display	Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio						Battery	integrated Li-Ion 30Wh or 35Wh battery	
Multi-touch	None						Max battery life	MobileMark® 2014: 4.5 hr (15ABR) / 6 hr (15AST)	
Storage	Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high						AC adapter	45W or 65W AC adapter	
Optical (optional)	DVD burner, 9.0mm high, fixed, not removable, tray-in						Preload	Windows® 10 Home 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	EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant	