ideapad S145-15API Platform Specifications

Processor AMD 3000, Athlon™ or Ryzen™ 3 / 5 / 7 series processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Type	Processor Graphics
3020e	2	2	1.2 GHz	2.6 GHz	1MB L2 / 4MB L3	DDR4-2400	Radeon™ Graphics
Athlon 300U	2	4	2.4 GHz	3.3 GHz	1MB L2 / 4MB L3		Radeon Vega 3 Graphics
Ryzen 3 3200U		4	2.6 GHz	3.5 GHz	1MB L2 / 4MB L3		Radeon Vega 3 Graphics
Ryzen 5 3500U	4	8	2.1 GHz	3.7 GHz	2MB L2 / 4MB L3		Radeon Vega 8 Graphics
Ryzen 7 3700U	4	8	2.3 GHz	4.0 GHz	2MB L2 / 4MB L3		Radeon RX Vega 10 Graphics

Graphics AMD Radeon Graphics or
Radeon Vega 3 / Vega 8 / RX Vega 10 Graphics in processor only;
supports external digital monitor via HDMI;
supports dual independent display;
Max resolution: 3840x2160@30Hz (HDMI)

Chipset AMD SoC (System on Chip) platform
Memory *3020e model:* 8GB max offering / 2400MHz DDR4, one DDR4 SO-DIMM socket
Other model: 12GB max offering / 2400MHz DDR4,
     4GB memory soldered to systemboard,
     one DDR4 SO-DIMM socket

Display One of the following, configurable by model:
- 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
- 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio

Multi-touch None

Storage Up to 2 drives (one HDD and one M.2 SSD):
- HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 5400rpm
- M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2
- M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4
- SSD / SATA 6.0Gb/s, 2.5" wide (e.g. xxxGB SSD)

Optical None

Ethernet None

WLAN 802.11ac 1x1 Wi-Fi + Bluetooth 4.2, M.2 Card
Bluetooth™ Bluetooth 4.2 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Dimensions *WxDxH:* 14.3" x 10" x 0.8";   362.2mm x 251.5mm x 19.9mm
Weight 4.1 lb / 1.85 kg
Case color Granite black IMR, granite black texture or platinum grey IMR
Case material PC/ABS plastic

Media reader 4-in-1 media reader (MMC, SD, SDHC, SDXC)
Ports One USB 2.0, two USB 3.1 Gen 1, HDMI 1.4b,
4-in-1 media reader (MMC, SD, SDHC, SDXC),
AC power adapter jack, headphone / microphone combo jack
* Depending on many factors, actual data transfer speed may be lower than theoretical speed

Camera 0.3MP, fixed focus, integrated monaural microphone
Audio support HD Audio, Dolby Audio™, stereo speakers, 1.5W x 2, monaural microphone, headphone / microphone combo jack

Keyboard 6-row, multimedia Fn keys, numeric keypad
Touchpad Buttonless Mylar surface multi-touch touchpad

Security Power-on password, hard disk password, administrator password
Security chip Firmware TPM 2.0 integrated in chipset
Fingerprint reader None

Battery Integrated Li-Polymer 30Wh or 35Wh battery
Max battery life *MobileMark® 2014:* 4 hr (30Wh) or 4.5 hr (35Wh)
* Battery life varies significantly with hardware configurations, settings, usage, & other factors
AC adapter 65W round tip AC adapter

Preload (Opt) *Preloaded operating system*
- Windows® 10 Home 64
- Windows 10 Home in S mode
- Windows 10 Pro 64
Preloaded applications (only some listed)
- Microsoft Office 365 Personal
- Microsoft Office 365 Home
- Microsoft Office Trial (with 30-day license)
- Microsoft Office Home and Student 2019
- Microsoft Office Home and Business 2019
- Microsoft Office Professional 2019
- Microsoft Office Personal 2019

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 ENERGY STAR® 7.1; ErP lot3; RoHS-compliant

Note: The specifications above may not be available in all regions and might change by region.