

# ideapad S145-15AST Platform Specifications

Product Specifications Reference (PSREF)

|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    |                    |                                                                                                                             |                                                    |                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------|---------------------|-------|-------------|--------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------|
| Processor        | AMD A4 / A6 / A9 series APU                                                                                                                                                                                                                                                                           |       |                |                     |       |             |                    | Dimensions         | WxDxH: 14.26" x 9.9" x 0.78"; 362.2mm x 251.5mm x 19.9mm                                                                    |                                                    |                                                                       |
|                  | Processor Number                                                                                                                                                                                                                                                                                      | Cores | Base Frequency | Max Turbo Frequency | Cache | Memory Type | Processor Graphics | Weight             | 4.1 lb / 1.85 kg                                                                                                            |                                                    |                                                                       |
|                  | A4-9125                                                                                                                                                                                                                                                                                               |       | 2.3 GHz        | 2.6 GHz             |       |             |                    | Radeon™ R3         | Case color                                                                                                                  | Black IMR, black texture or grey IMR               |                                                                       |
|                  | A6-9225                                                                                                                                                                                                                                                                                               |       | 2.6 GHz        | 3.0 GHz             |       |             |                    | Radeon R4          | Case material                                                                                                               | PC/ABS plastic                                     |                                                                       |
|                  | A9-9425                                                                                                                                                                                                                                                                                               |       | 3.1 GHz        | 3.7 GHz             |       |             |                    | Radeon R5          | Camera                                                                                                                      | 0.3MP, fixed focus, integrated monaural microphone |                                                                       |
| Graphics         | AMD Radeon R3 / R4 / R5 Graphics in processor only, or AMD Radeon R3 / R4 / R5 Graphics in processor and AMD Radeon 530 (2GB GDDR5 memory); supports external digital monitor via HDMI; supports dual independent display; Max resolution: 4096x2160@60Hz (HDMI)                                      |       |                |                     |       |             |                    | 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, Buttonless mylar surface multi-touch touchpad                                    |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    | Touchpad           | Buttonless mylar surface multi-touch touchpad                                                                               |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    | Security           | Power-on password, hard disk password, supervisor password                                                                  |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    | Security chip      | Firmware TPM 2.0 integrated in chipset                                                                                      |                                                    |                                                                       |
| Chipset          | AMD SoC (System on Chip) platform                                                                                                                                                                                                                                                                     |       |                |                     |       |             |                    | Fingerprint reader | None                                                                                                                        |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    | Battery            | Integrated Li-ion 30Wh or 35Wh battery                                                                                      |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    | Max battery life   | MobileMark® 2014: 4 hr (30Wh) or 4.5 hr (35Wh)<br>* Battery life varies significantly with settings, usage, & other factors |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    | AC adapter         | 45W or 65W round tip AC adapter                                                                                             |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    | Memory             | 8GB max offering / 2133MHz DDR4, one DDR4 SO-DIMM socket                                                                    |                                                    |                                                                       |
| Limited warranty | One of the following, configurable by model: <ul style="list-style-type: none"><li>1-year mail-in repair service</li><li>1-year depot repair service</li><li>2-year/1-yr battery depot repair service</li></ul>                                                                                       |       |                |                     |       |             |                    |                    |                                                                                                                             |                                                    |                                                                       |
| Environment      | ENERGY STAR® 7.0; ErP lot3; RoHS-compliant                                                                                                                                                                                                                                                            |       |                |                     |       |             |                    |                    |                                                                                                                             |                                                    |                                                                       |
| Display          | One of the following, configurable by model: <ul style="list-style-type: none"><li>15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio</li><li>15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio</li></ul>                        |       |                |                     |       |             |                    |                    |                                                                                                                             |                                                    |                                                                       |
| Multi-touch      | None                                                                                                                                                                                                                                                                                                  |       |                |                     |       |             |                    |                    |                                                                                                                             |                                                    |                                                                       |
| Storage          | Up to 2 drives (one HDD and one SSD/M.2 SSD): <ul style="list-style-type: none"><li>HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 5400rpm</li><li>SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)</li><li>M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s (e.g. xxxGB SSD M.2 2242 PCIe NVMe)</li></ul> |       |                |                     |       |             |                    |                    |                                                                                                                             |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    |                    |                                                                                                                             | 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 |
| Media reader     | 4-in-1 media reader (MMC, SD, SDHC, SDXC)<br>One USB 2.0, two USB 3.1 Gen 1, 4-in-1 media reader (MMC, SD, SDHC, SDXC), HDMI 1.4b, AC power adapter jack, headphone / microphone combo jack<br>* Depending on many factors, actual data transfer speed may be lower than theoretical speed            |       |                |                     |       |             |                    |                    |                                                                                                                             |                                                    |                                                                       |
|                  |                                                                                                                                                                                                                                                                                                       |       |                |                     |       |             |                    |                    |                                                                                                                             | Ports                                              |                                                                       |

Note: The specifications above may not be available in all regions.

Lenovo  
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