

Lenovo BS145-15IWL Platform Specifications

Product Specifications Reference (PSREF)

| | | | | | | | | | | |
|---------------|--|------------|--------------|----------------|---------------------|-----------|--|--|------------------------|---|
| Processor | Intel® Celeron® Processor, Intel Pentium® Processor or 8th Generation Intel Core™ i3 / i5 / i7 Processor | | | | | | | | Dimensions | WxDxH: 14.26" x 9.9" x 0.78"; 362.2mm x 251.5mm x 19.9mm |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics | Weight | 4.1 lb / 1.85 kg |
| | Celeron 4205U | 2 | 2 | 1.8 GHz | - | 2MB | DDR4-2133 | Intel UHD Graphics 610 | Case color | Granite black IMR, granite black texture, abyss blue IMR, dark orchid IMR or platinum grey IMR |
| | Pentium Gold 5405U | | 4 | 2.3 GHz | - | | | | Case material | PC/ABS plastic |
| | i3-8145U | | 2.1 GHz | 3.9 GHz | 4MB | DDR4-2400 | | | Intel UHD Graphics 620 | Media reader |
| | i5-8265U | 1.6 GHz | 3.9 GHz | 6MB | Ports | | 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 | | | |
| | i7-8565U | 1.8 GHz | 4.6 GHz | 8MB | | | Camera | 0.3MP, fixed focus, integrated monaural microphone | | |
| Graphics | Intel UHD Graphics 610 or 620 in processor only, or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX 110 (2GB GDDR5 memory); supports external digital monitor via HDMI; supports dual independent display; Max resolution: 4096x2160@24Hz (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 |
| | | | | | | | | | Touchpad | Buttonless Mylar surface multi-touch touchpad |
| | | | | | | | | | Security | Power-on password, hard disk password, supervisor password |
| Chipset | Intel SoC (System on Chip) platform | | | | | | | | Security chip | Firmware TPM 2.0 integrated in chipset |
| | | | | | | | | | Fingerprint reader | None |
| Memory | 12GB max offering / 2133MHz DDR4 (Celeron or Pentium model) or 2400MHz DDR4 (Core i3 / i5 / i7 model), optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket | | | | | | | | Battery | Integrated Li-ion 30Wh or 35Wh battery |
| | | | | | | | | | Max battery life | MobileMark® 2014: 5.5 hr (30Wh) or 6 hr (35Wh) <i>* Battery life varies significantly with hardware configurations, settings, usage, & other factors</i> |
| Display | One of the following, configurable by model: <ul style="list-style-type: none">15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio | | | | | | | | AC adapter | 45W or 65W round tip AC adapter |
| | | | | | | | | | Preload | Preloaded operating system <ul style="list-style-type: none">Windows® 10 Home 64Windows 10 Home SWindows 10 Pro 64 Preloaded applications (only some listed) <ul style="list-style-type: none">Microsoft Office Trial (with 30-day license)Microsoft Office 365 HomeMicrosoft Office 365 PersonalMicrosoft Office Home and Student 2019Microsoft Office Home and Business 2019Microsoft Office Professional 2019 |
| Multi-touch | None | | | | | | | | Limited warranty | One of the following, configurable by model: <ul style="list-style-type: none">1-year mail-in repair service1-year depot repair service2-year/1-yr battery depot repair service |
| | | | | | | | | | Environment | ENERGY STAR® 7.0; ErP lot3; RoHS-compliant |
| Storage | Up to 2 drives (one HDD and one M.2 SSD): <ul style="list-style-type: none">HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, 5400rpmSSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/sM.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/sM.2 SSD / SATA 6.0Gb/s (e.g. xxxGB SSD M.2)Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 | | | | | | | | | |
| Optane Memory | Optional: 16GB Intel Optane™ Memory, PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, M.2 | | | | | | | | | |
| 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 | | | | | | | | | |

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

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