

# ideapad 320 (17") Intel 81BJ003UGE

Region  
WE

Country  
Germany

Machine Type  
81BJ

Processor  
Core i5-8250U (4C, 1.6 / 3.4GHz, 6MB)

Graphics  
NVIDIA GeForce MX150 2GB GDDR5

Memory  
4GB Soldered + 8GB DIMM DDR4-2133

Display  
17.3" HD+ (1600x900) Anti-glare

Multi-touch  
None

Storage  
256GB SSD

Optical  
None

Ethernet  
100/1000M

WLAN + Bluetooth  
11ac, 1x1 + BT4.1

Color  
Platinum Grey

Camera  
720p

Microphone  
Monaural

Keyboard  
Non-backlit

Fingerprint Reader  
None

Battery  
30Wh

Power Adapter  
65W

Operating System  
Windows 10 Home 64

Warranty  
2-year, Depot

Ann Date (mm/yy)  
11/17

## Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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# ideapad 320 (17") Intel Platform Specifications - 17IKB

Product Specifications Reference (PSREF)

|                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------|-----------------------------------------|---------------------|--------------|------------------------|-----------------------|--|
| Processor                                                                                                                                                                                                                                     | 6th Generation Intel® Core™ i3 / i5 / i7 Processor,                                                                                                                                                                                          |                                     |                |                                         |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Processor Number                                                                                                                                                                                                                             | # of Cores                          | # of Threads   | Base Frequency                          | Max Turbo Frequency | Cache        | Memory Types           | Processor Graphics    |  |
|                                                                                                                                                                                                                                               | i3-6006U                                                                                                                                                                                                                                     | 2                                   | 4              | 2.0 GHz                                 | -                   | 3MB          | DDR4-2133              | Intel HD Graphics 520 |  |
|                                                                                                                                                                                                                                               | i5-6200U                                                                                                                                                                                                                                     |                                     |                | 2.3 GHz                                 | 2.8 GHz             | 3MB          |                        |                       |  |
|                                                                                                                                                                                                                                               | i7-6500U                                                                                                                                                                                                                                     |                                     |                | 2.5 GHz                                 | 3.1 GHz             | 4MB          |                        |                       |  |
|                                                                                                                                                                                                                                               | Intel Pentium® Processor, 7th Generation Intel Core i3 / i5 / i7 Processor, or                                                                                                                                                               |                                     |                |                                         |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Processor Number                                                                                                                                                                                                                             | # of Cores                          | # of Threads   | Base Frequency                          | Max Turbo Frequency | Cache        | Memory Types           | Processor Graphics    |  |
|                                                                                                                                                                                                                                               | Pen 4415U                                                                                                                                                                                                                                    | 2                                   | 4              | 2.3 GHz                                 | -                   | 2MB          | DDR4-2133              | Intel HD Graphics 610 |  |
|                                                                                                                                                                                                                                               | i3-7100U                                                                                                                                                                                                                                     |                                     |                | 2.4 GHz                                 | -                   | 3MB          |                        | Intel HD Graphics 620 |  |
|                                                                                                                                                                                                                                               | i5-7200U                                                                                                                                                                                                                                     |                                     |                | 2.5 GHz                                 | 3.1 GHz             | 3MB          |                        |                       |  |
| i7-7500U                                                                                                                                                                                                                                      | 2.7 GHz                                                                                                                                                                                                                                      |                                     |                | 3.5 GHz                                 | 4MB                 |              |                        |                       |  |
| 8th Generation Intel Core i5 / i7 Processor                                                                                                                                                                                                   |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Processor Number                                                                                                                                                                                                                              | # of Cores                                                                                                                                                                                                                                   | # of Threads                        | Base Frequency | Max Turbo Frequency                     | Cache               | Memory Types | Processor Graphics     |                       |  |
| i5-8250U                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                            | 8                                   | 1.6 GHz        | 3.4 GHz                                 | 6MB                 | DDR4-2133    | Intel UHD Graphics 620 |                       |  |
| i7-8550U                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                              |                                     | 1.8 GHz        | 4.0 GHz                                 | 8MB                 |              |                        |                       |  |
| Graphics                                                                                                                                                                                                                                      | Integrated Graphics in Processor                                                                                                                                                                                                             |                                     |                | Discrete Graphics (Memory)              |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Intel HD Graphics 520 / 610 / 620                                                                                                                                                                                                            |                                     |                | -                                       |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Intel UHD Graphics 620                                                                                                                                                                                                                       |                                     |                | -                                       |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Intel HD Graphics 610 / 620                                                                                                                                                                                                                  |                                     |                | NVIDIA® GeForce® 920MX (2GB GDDR5)      |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Intel HD Graphics 610 / 620                                                                                                                                                                                                                  |                                     |                | NVIDIA GeForce 940MX (2GB / 4GB GDDR5)  |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Intel UHD Graphics 620                                                                                                                                                                                                                       |                                     |                | NVIDIA GeForce MX150 (2GB or 4GB GDDR5) |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | supports dual independent display;<br>Max resolution: 1920x1080@60Hz (HDMI)                                                                                                                                                                  |                                     |                |                                         |                     |              |                        |                       |  |
|                                                                                                                                                                                                                                               | Chipset                                                                                                                                                                                                                                      | Intel SoC (System on Chip) platform |                |                                         |                     |              |                        |                       |  |
| Memory                                                                                                                                                                                                                                        | 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket                                                                                                                          |                                     |                |                                         |                     |              |                        |                       |  |
| Display                                                                                                                                                                                                                                       | <i>Some:</i> 17.3" (439mm) HD+ (1600x900), anti-glare or glossy, LED backlight, 200 nits, 16:9 aspect ratio, 72% gamut<br><i>Some:</i> 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut |                                     |                |                                         |                     |              |                        |                       |  |
| Multi-touch                                                                                                                                                                                                                                   | None                                                                                                                                                                                                                                         |                                     |                |                                         |                     |              |                        |                       |  |
| Storage                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> M.2 SSD / PCIe 3.0, 8Gb/s                                                                                        |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Optical ( <i>optional</i> ) DVD burner, 9.0mm high, fixed, not removable, tray-in                                                                                                                                                             |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Ethernet Gigabit Ethernet connection                                                                                                                                                                                                          |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| WLAN 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card                                                                                                                                                                                     |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                              |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Dimensions <i>WxDxH:</i> 16.46" x 11.52" x 0.98"; 418mm x 292.6mm x 24.9mm                                                                                                                                                                    |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Weight 2.8 kg (6.17 lb)                                                                                                                                                                                                                       |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Case color Onyx black or platinum grey                                                                                                                                                                                                        |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Case material PC/ABS plastic                                                                                                                                                                                                                  |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)                                                                                                                                                                                              |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Ports Two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45)                                                                                                                                                      |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Camera 0.3MP or HD720p (1.0MP), fixed focus, integrated monaural microphone                                                                                                                                                                   |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Audio support HD Audio, stereo speakers with Dolby® Audio, 1.5W x 2 / monaural microphone, combo audio / microphone jack                                                                                                                      |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Keyboard 6-row, multimedia Fn keys, numeric keypad                                                                                                                                                                                            |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Touchpad One-piece multi-touch touchpad                                                                                                                                                                                                       |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Security Power-on password, hard disk password, supervisor password, security keyhole                                                                                                                                                         |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Security chip None                                                                                                                                                                                                                            |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Fingerprint reader <i>Optional:</i> touch style fingerprint reader on the palm rest                                                                                                                                                           |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Battery integrated Li-Ion 30Wh or 35Wh battery                                                                                                                                                                                                |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Max battery life <i>MobileMark® 2014:</i> 6 hr                                                                                                                                                                                                |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| AC adapter 45W or 65W AC adapter                                                                                                                                                                                                              |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Preload Windows® 10 Home 64                                                                                                                                                                                                                   |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |
| Limited warranty <i>One of the following, configurable by model:</i> <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 EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant                                                                                                                                                                                   |                                                                                                                                                                                                                                              |                                     |                |                                         |                     |              |                        |                       |  |

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

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# ideapad 320 (17") Intel Platform Specifications - 17ISK

Product Specifications Reference (PSREF)

|                    |                                                                                                                                                                                                                                              |            |              |                |                     |       |              |                       |                                                       |                                                                                                                                                                                                                       |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|---------------------|-------|--------------|-----------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor          | 6th Generation Intel® Core™ i3 / i5 / i7 Processor                                                                                                                                                                                           |            |              |                |                     |       |              |                       | Dimensions<br>Weight<br>Case color<br>Case material   | WxDxH: 16.46" x 11.52" x 0.98"; 418mm x 292.6mm x 24.9mm<br>2.8 kg (6.17 lb)<br>Onyx black or platinum grey<br>PC/ABS plastic                                                                                         |
|                    | Processor Number                                                                                                                                                                                                                             | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics    |                                                       |                                                                                                                                                                                                                       |
|                    | i3-6006U                                                                                                                                                                                                                                     | 2          | 4            | 2.0 GHz        | -                   | 3MB   | DDR4-2133    | Intel HD Graphics 520 |                                                       |                                                                                                                                                                                                                       |
|                    | i5-6200U                                                                                                                                                                                                                                     |            |              | 2.3 GHz        | 2.8 GHz             | 3MB   |              |                       |                                                       |                                                                                                                                                                                                                       |
| i7-6500U           | 2.5 GHz                                                                                                                                                                                                                                      |            |              | 3.1 GHz        | 4MB                 |       |              |                       |                                                       |                                                                                                                                                                                                                       |
| Graphics           | Intel HD Graphics 520 in processor only, or Intel HD Graphics 520 in processor and NVIDIA GeForce 920MX (2GB GDDR5 memory); supports dual independent display; Max resolution: 1920x1080@60Hz (HDMI)                                         |            |              |                |                     |       |              |                       | Media reader Ports                                    | 4-in-1 reader (MMC, SD, SDHC, SDXC)<br>Two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45)                                                                                             |
| Chipset            | Intel SoC (System on Chip) platform<br>12GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket                                                                                   |            |              |                |                     |       |              |                       | Camera                                                | 0.3MP or HD720p (1.0MP), fixed focus, integrated monaural microphone                                                                                                                                                  |
| Memory             |                                                                                                                                                                                                                                              |            |              |                |                     |       |              |                       | Audio support                                         | HD Audio, stereo speakers with Dolby® Audio, 1.5W x 2 / monaural microphone, combo audio / microphone jack                                                                                                            |
| Display            | <i>Some:</i> 17.3" (439mm) HD+ (1600x900), anti-glare or glossy, LED backlight, 200 nits, 16:9 aspect ratio, 72% gamut<br><i>Some:</i> 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 72% gamut |            |              |                |                     |       |              |                       | Keyboard                                              | 6-row, multimedia Fn keys, numeric keypad                                                                                                                                                                             |
|                    |                                                                                                                                                                                                                                              |            |              |                |                     |       |              |                       | Touchpad                                              | One-piece multi-touch touchpad                                                                                                                                                                                        |
| Multi-touch        | None                                                                                                                                                                                                                                         |            |              |                |                     |       |              |                       | Security                                              | Power-on password, hard disk password, supervisor password, security keyhole                                                                                                                                          |
| Storage            | <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high<br><i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high                                                                                                                                 |            |              |                |                     |       |              |                       | Security chip                                         | None                                                                                                                                                                                                                  |
| Optical (optional) |                                                                                                                                                                                                                                              |            |              |                |                     |       |              |                       | DVD burner, 9.0mm high, fixed, not removable, tray-in | Fingerprint reader                                                                                                                                                                                                    |
| Ethernet           | Gigabit Ethernet connection                                                                                                                                                                                                                  |            |              |                |                     |       |              |                       | Battery                                               | integrated Li-Ion 30Wh or 35Wh battery                                                                                                                                                                                |
| WLAN               | 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card                                                                                                                                                                                         |            |              |                |                     |       |              |                       | Max battery life                                      | MobileMark® 2014: 6 hr                                                                                                                                                                                                |
|                    |                                                                                                                                                                                                                                              |            |              |                |                     |       |              |                       | AC adapter                                            | 45W or 65W AC adapter                                                                                                                                                                                                 |
| Bluetooth™         | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                        |            |              |                |                     |       |              |                       | Preload                                               | Windows® 10 Home 64                                                                                                                                                                                                   |
|                    |                                                                                                                                                                                                                                              |            |              |                |                     |       |              |                       | 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                                           | EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant                                                                                                                                                                       |

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