

# Lenovo V320 (17") 81CN000D++

## Product

Lenovo V320-17IKB

## Machine Type

81CN

## Region

EMEA

## Processor

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

## Graphics

NVIDIA GeForce MX150 2GB GDDR5

## Memory

4GB Soldered + 4GB DIMM DDR4-2133

## Display

17.3" FHD (1920x1080) IPS

## Multi-touch

None

## Storage

1TB 5400rpm

## Optical

DVD±RW

## Ethernet

100/1000M

## WLAN + Bluetooth

11ac, 1x1 + BT4.1

## Dock

None

## Color

Iron Grey

## Camera

720p

## Microphone

Monaural

## Keyboard

Non-backlit

## Fingerprint Reader

Fingerprint Reader

## Battery

2-cell (30Wh)

## Power Adapter

65W

## Operating System

Windows 10 Pro 64

## Warranty

1-year, Depot

## Ann Date (mm/yy)

11/17

## Notes:

Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences.

<https://www.lenovo.com/hk/en/battery-info>



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# Lenovo V320 (17") Platform Specifications

Product Specifications Reference (PSREF)

|             |                                                                                                                                                                                                                                                                                                  |            |              |                |                        |         |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|----------------|------------------------|---------|--------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor   | V320-17ISK: 6th Generation Intel® Core™ i3 Processor                                                                                                                                                                                                                                             |            |              |                |                        |         |              |                       | Storage<br><br>Some: M.2 SSD / PCIe 3.0 x 2<br>Some: SSD / SATA 6.0Gb/s, 2.5" wide<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high<br>Serial ATA, SATA 6.0Gb/s support, integrated in processor<br>DVD burner, 9.0mm high, fixed, tray-in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|             | 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 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|             | V320-17IKB: Intel Pentium® Processor, 7th Generation Intel Core i3 / i5 / i7 Processor, or 8th Generation Intel Core i5 / i7 Processor                                                                                                                                                           |            |              |                |                        |         |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|             | Processor Number                                                                                                                                                                                                                                                                                 | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency    | Cache   | Memory Types | Processor Graphics    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|             | Pentium 4415U                                                                                                                                                                                                                                                                                    | 2          | 4            | 2.3 GHz        | -                      | 2MB     | DDR4-2133    | Intel HD Graphics 610 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|             | i3-7020U                                                                                                                                                                                                                                                                                         |            |              | 2.3 GHz        | -                      | 3MB     |              | Intel HD Graphics 620 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|             | i3-7100U                                                                                                                                                                                                                                                                                         |            |              | 2.4 GHz        | -                      | 3MB     |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|             | i3-7130U                                                                                                                                                                                                                                                                                         |            |              | 2.7 GHz        | -                      | 3MB     |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|             | i5-7200U                                                                                                                                                                                                                                                                                         |            |              | 2.5 GHz        | 3.1 GHz                | 3MB     |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| i7-7500U    | 2.7 GHz                                                                                                                                                                                                                                                                                          | 3.5 GHz    | 4MB          | DDR4-2400      | Intel UHD Graphics 620 |         |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| i5-8250U    | 4                                                                                                                                                                                                                                                                                                | 8          | 1.6 GHz      |                |                        | 3.4 GHz | 6MB          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| i7-8550U    | 1.8 GHz                                                                                                                                                                                                                                                                                          |            | 4.0 GHz      |                |                        | 8MB     |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Graphics    | V320-17ISK: Intel HD Graphics 520 in processor only, or Intel HD Graphics 520 in processor and NVIDIA GeForce® 920MX 2GB GDDR5 memory;                                                                                                                                                           |            |              |                |                        |         |              |                       | Keyboard<br>Touchpad<br>Security<br>Security chip<br>Fingerprint reader<br>Battery type<br>Battery life<br>AC adapter<br>Preload<br>Limited warranty<br>Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|             | V320-17IKB: Intel HD Graphics 610, 620 or Intel UHD Graphics 620 in processor only, or Intel HD Graphics 610, 620 or Intel UHD Graphics 620 in processor and NVIDIA GeForce® 920MX, 940MX or MX150 2GB GDDR5 memory; supports two independent displays<br>Max resolution: 4096x2304 @24Hz (HDMI) |            |              |                |                        |         |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Chipset     | Intel SoC (System on Chip) platform                                                                                                                                                                                                                                                              |            |              |                |                        |         |              |                       | 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card<br>Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>WxDxH: 16.45" x 11.51" x 0.98"; 418mm x 292.6mm x 24.9mm<br>2.8 kg (6.17 lb)<br>Iron Grey<br>PC/ABS plastic<br>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 / USB 3.0 Type C, HDMI, Ethernet (RJ-45), audio combo jack<br>* Depending on many factors, actual data transfer speed may be lower than theoretical speed.<br>0.3MP or HD720p, fixed focus<br>HD Audio, stereo speakers, 1.5W x 2 / monaural digital microphone, combo audio/microphone jack<br>6-row, multimedia Fn keys, numeric keypad<br>One-piece touchpad with buttons<br>Power-on password, hard disk password, supervisor password, security keyhole<br>Firmware TPM 2.0, integrated in chipset<br>Optional: swipe style fingerprint reader on the palm rest (V320-17IKB only)<br>Integrated Polymer 2-cell (30Wh or 35Wh) battery<br>Up to 6hrs<br>* Battery life varies significantly with settings, usage, & other factors.<br>45W or 65W AC adapter<br>• Windows® 10 Home 64<br>• McAfee® LiveSafe™ (30-day trial)<br>• Lenovo PC Manager<br>• LenovoSecuritySuite<br>1-year depot repair service<br>RoHS-compliant; ErP |
| Memory      | 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket                                                                                                                                                                              |            |              |                |                        |         |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Display     | Some: 17.3" (439mm) HD+ (1600x900), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio<br>Some: 17.3" (439mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, IPS                                                                                                   |            |              |                |                        |         |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Multi-touch | None                                                                                                                                                                                                                                                                                             |            |              |                |                        |         |              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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