# Lenovo V330 (15") 81AX00ES++

**Region**
EMEA

**Machine Type**
81AX

**Processor**
Core i7-8550U (4C, 1.8 / 4.0GHz, 8MB)

**Graphics**
AMD Radeon 530 2GB GDDR5

**Memory**
4GB Soldered + 4GB DIMM

**Display**
15.6" FHD (1920x1080)

**Multi-touch**
None

**Storage**
1TB 5400rpm + 128GB SSD M.2 PCIe

**Optical**
DVD±RW

**Ethernet**
100/1000M

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

**USB Port**
USB 3.0x2 (one Always On) + USB 3.1 Typc-C Gen 1x2

**Color**
Iron Grey

**Camera**
720p

**Microphone**
Monaural

**Keyboard**
Non-backlit

**Fingerprint Reader**
Fingerprint Reader

**Battery**
2-cell (30Wh)

**Power Adapter**
65W

**Operating System**
None

**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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# Lenovo V330 (15") Platform Specifications

*Product Specifications Reference (PSREF)*

**Processor**

7th Generation Intel® Core® i3 / i5 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 |
|---|---|---|---|---|---|---|---|
| i3-7130U | 2 | 4 | 2.7 GHz | - | 3MB | DDR4-2133 | Intel HD Graphics 620 |
| i3-8130U | | | 2.2 GHz | 3.4 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**

Intel HD Graphics 620 or UHD Graphics 620 in processor only, or
Intel HD Graphics 620 or UHD Graphics 620 in processor and
AMD Radeon 530, 2GB GDDR5 VRAM;
supports three independent displays;
Max resolution: 3840x2160@60Hz (HDMI); 1920x1080@60Hz (VGA)
3840x2160@60Hz (USB Type-C);

**Chipset**

Intel SoC (System on Chip) platform

**Memory**

20GB max / 2400MHz DDR4, dual-channel capable,
up to 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket
* System clocks down for processors with lower memory controller

**Display**

*Some:* 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
*Some:* 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio

**Multi-touch**

None

**Storage**

*Some:* M.2 SSD / SATA 6.0Gb/s
*Some:* M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
*Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high

**SATA controller**

Serial ATA, SATA 6.0Gb/s support, integrated in processor

**Optical *(optional)***

DVD burner, 9.0mm high, fixed, swappable with optional UltraBay battery

**Ethernet**

Gigabit Ethernet connection

**WLAN**

*11ac, 1x1 + BT4.1:* 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
*11ac, 2x2 + BT4.1:* 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card

**Bluetooth™**

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

**Dimensions**

*WxDxH:* 14.76" x 9.96" x 0.88"; 375mm x 253mm x 22.3mm

**Weight**

| *Models* | *Min* | *Max w/o 2nd battery* | *Max w/ 2nd battery* |
|---|---|---|---|
| *Weights* | 1.8 kg / 3.97 lb | 2.05 kg / 4.52 lb | 2.1 kg / 4.63 lb |

**Case color**

Iron Gray

**Case material**

PC/ABS plastic

**Media reader**

4-in-1 reader (MMC, SD, SDHC, SDXC)

**Ports**

Two USB 3.0 (one with optional Always On), one USB 3.1 Type-C Gen 1, one optional USB 3.1 Type-C Gen 1 (with the function of DisplayPort and PowerDelivery), VGA, HDMI, Ethernet (RJ-45)

**Camera *(optional)***

0.3MP or HD720p, fixed focus, physical camera shutter

**Audio support**

Stereo speakers with Dolby® Audio™, 2W x 2 /
optional monaural or dual-array digital microphone, combo audio/microphone jack,
Skype-certified for the models configured with dual-array digital MIC

**Keyboard**

6-row, multimedia Fn keys, numeric keypad, spill resistant, optional backlit

**Touchpad**

One-piece touchpad, multi-touch

**Security**

Power-on password, hard disk password, supervisor password, security keyhole, optional Active Protection System (APS)

**Security chip**

Firmware TPM 2.0, integrated in chipset

**Fingerprint reader**

*Optional:* Touch-type fingerprint reader on the palm rest

**Internal battery**

Integrated Li-Polymer 2-cell *(30Wh or 39Wh)*

**UltraBay battery**

*Optional:* Li-Polymer 2-cell *(39Wh)*

**Max battery life (*MobileMark® 2014*)**

| *Models* | *2-cell 30Wh* | *2-cell 39Wh* | *2-cell 30Wh + 2-cell 39Wh* | *2-cell 39Wh + 2-cell 39Wh* |
|---|---|---|---|---|
| *Max battery life* | 6 hr | 8 hr | 14 hr | 16 hr |

**AC adapter**

45W or 65W AC adapter

**Preload**

*Some:* Windows 10 Home 64
*Some:* Windows 10 Pro 64
- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

**Limited warranty**

*One of the following, configurable by model:*
- 1-year depot repair service
- 2-year/1-yr battery depot repair service

**Environment**

EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant

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