# Lenovo V110 (15") Platform Specifications



## Processor

*V110-15ISK:* Intel® Celeron® Processor, Intel Pentium® Processor, or 6th Generation Intel Core™ i3 / i5 Processor

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|---|
| Cel 3855U | 2 | 2 | 1.6 GHz | - | 2MB | DDR4-2133 | Intel HD Graphics 510 |
| Pen 4405U | | 4 | 2.1 GHz | | 2MB | | |
| i3-6006U | | | 2.0 GHz | | 3MB | | Intel HD Graphics 520 |
| i3-6100U | | | 2.3 GHz | | 3MB | | |
| i5-6200U | | | 2.3 GHz | 2.8 GHz | 3MB | | |

*V110-15IAP:* Intel Celeron Processor or Intel Pentium Processor

| Processor Number | # of Cores | # of Threads | Base Frequency | Burst Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|---|
| Cel N3350 | 2 | 2 | 1.1 GHz | 2.4 GHz | 2MB | DDR3L-1600 | Intel HD Graphics 500 |
| Cel N3450 | 4 | 4 | | 2.2 GHz | | | |
| Pen N4200 | | | | 2.5 GHz | | | Intel HD Graphics 505 |

*V110-15AST:* AMD A-Series or E-Series APUs

| Processor Number | # of Cores | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics |
|---|---|---|---|---|---|---|
| E2-9010 | 2 | 2.0 GHz | 2.2 GHz | 1MB | DDR4-1866 | AMD Radeon™ R2 Graphics |
| A6-9210 | | 2.4 GHz | 2.8 GHz | | DDR4-2133 | AMD Radeon R4 Graphics |
| A9-9410 | | 2.9 GHz | 3.5 GHz | | | AMD Radeon R5 Graphics |

## Graphics

*V110-15ISK:* Intel HD Graphics 510 or 520 in processor only, or Intel HD Graphics 510 or 520 in processor and AMD Radeon R5 M430 or AMD Radeon 530, 2GB memory;
*V110-15IAP:* Intel HD Graphics 500 or 505 in processor only;
*V110-15AST:* AMD Radeon R2, R4, or R5 Graphics in processor only, or AMD Radeon R2, R4, or R5 Graphics in processor and AMD Radeon R5 M430, 2GB memory;
supports dual independent display;
Max resolution: 3840x2160@30Hz (HDMI)

## Chipset

Intel or AMD SoC (System on Chip) platform

## Memory

*V110-15ISK:* 8GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket
*V110-15IAP:* 8GB max / 1600MHz DDR3L, dual-channel capable, optional 2GB memory soldered to systemboard, one DDR3L SO-DIMM socket
*V110-15AST:* 8GB max / 2133MHz DDR4, dual-channel capable, 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:* SSD / SATA 6.0Gb/s, 2.5" wide
*Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high
*Some:* SSHD with 8GB NAND flash memory

SATA controller: Serial ATA, SATA 6.0Gb/s support, integrated in processor
Optical *(optional)*: DVD burner, 9.0mm high, fixed, tray-in

## Ethernet

Gigabit Ethernet connection

## WLAN / Bluetooth™

11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

## Dimensions / Weight / Case color / Case material

*WxDxH:* 14.96" x 10.31" x 0.90"; 380mm x 262mm x 22.9mm
1.9 kg (4.19 lb)
Black texture
PC/ABS plastic

## Media reader / Ports

4-in-1 reader (MMC, SD, SDHC, SDXC)
One USB 3.0, one USB 2.0, HDMI, Ethernet (RJ-45)

## Camera *(optional)* / Audio support

0.3MP, fixed focus
HD Audio, monaural speaker, 1.5W x 1 / optional monaural digital microphone, combo audio/microphone jack

## Keyboard / Touchpad

6-row, multimedia Fn keys, numeric keypad
2-button touchpad, multi-touch

## Security / Security chip / Fingerprint reader

Power-on password, hard disk password, supervisor password, security keyhole
Firmware TPM 2.0, integrated in chipset
None

## Battery / Max battery life / AC adapter

*V110-15ISK:* Integrated Li-Ion 4-cell *(32Wh)* battery
*V110-15IAP:* Integrated Li-Ion 3-cell *(24Wh)* battery
*V110-15AST:* Integrated Li-Ion 3-cell *(24Wh)* battery
Up to 5.5 hr
45W or 65W AC adapter

## Preload

*Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64
- Adobe® Reader®
- Microsoft® Office preloaded; purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

*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

1-year depot repair service

## Environment

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

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| Model | 80TG00VY++ |
| --- | --- |
| Product | Lenovo V110-15IAP |
| Machine Type | 80TG |
| Region | EMEA |
| Processor | Celeron N3350 (2C, 1.1 / 2.4GHz, 2MB) |
| Graphics | Integrated Intel HD Graphics 500 |
| Memory | 4GB DDR3L-1600 DIMM |
| Display | 15.6" HD (1366x768) |
| Multi-touch | None |
| Storage | 500GB 5400rpm |
| Optical | DVD±RW |
| Ethernet | 100/1000M |
| WLAN + Bluetooth | 11ac, 1x1 + BT4.1 |
| Color | Black, Texture |
| Camera | 0.3MP |
| Microphone | Monaural |
| Keyboard | Non-backlit |
| Fingerprint Reader | None |
| Battery | 3-cell (24Wh) |
| Power Adapter | 45W |
| Operating System | None |
| Warranty | 1-year, Depot |
| Ann Date (mm/yy) | 10/16 |


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