# ideapad 320 (15") Intel 80XH01LPGE

Region
WE

Country
Germany

Machine Type
80XH

Processor
Core i3-6006U (2C, 2.0GHz, 3MB)

Graphics
NVIDIA GeForce 920MX 2GB GDDR5

Memory
4GB Soldered + 4GB DIMM DDR4-2133

Display
15.6" FHD (1920x1080)

Multi-touch
None

Storage
256GB SSD

Optical
DVD±RW

Ethernet
100/1000M

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

Color
Onyx Black

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)
08/17

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 (15") Intel Platform Specifications - 15IAP



**Processor**

Intel® Celeron® processor or Intel Pentium® Processor

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo 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 | 1.1 GHz | 2.2 GHz | | | |
| Pen N4200 | 4 | 4 | 1.1 GHz | 2.5 GHz | | | Intel HD Graphics 505 |

**Graphics**

Intel HD Graphics 500 or 505 in processor only, or
Intel HD Graphics 500 or 505 in processor and
AMD Radeon 530 (2GB GDDR5 memory);
supports dual independent display;
Max resolution: 1920x1080@60Hz (HDMI)

**Chipset**

Intel SoC (System on Chip) platform

**Memory**

8GB max / 1600MHz DDR3L, one DDR3L SO-DIMM socket

**Display**

*Some:* 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio
*Some:* 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio

**Multi-touch**

None

**Storage**

*Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
*Some:* SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high

**Optical *(optional)***

DVD burner, 9.0mm high, fixed, not removable, tray-in

**Ethernet**

10/100M 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**

*WxDxH:* 14.88" x 10.24" x 0.90"; 378mm x 260mm x 22.9mm

**Weight**

2.2 kg (4.85 lb)

**Case color**

Onyx black, blizzard white, platinum grey, denim blue, plum purple, or coral red
(for fingerprint reader model, only platinum grey and Onyx black are available)

**Case material**

PC/ABS plastic

**Media reader**

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

**Ports**

one USB 3.1 Gen 1 (USB 3.0), one USB 2.0, 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**

None

**Battery**

integrated Li-Ion 30Wh or 35Wh battery

**Max battery life**

*MobileMark® 2014:* 6 hr

**AC adapter**

45W or 65W AC adapter

**Preload**

Windows® 10 Home 64

**Limited warranty**

*One of the following, configurable by model:*

- 1-year mail-in repair service
- 1-year depot repair service
- 2-year/1-yr battery depot repair service

**Environment**

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

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

# ideapad 320 (15") Intel Platform Specifications - 15IKB

*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 |
| i3-7130U | | | 2.7 GHz | - | 3MB | | |
| 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 HD Graphics 610 / 620 | NVIDIA® GeForce® 920MX (2GB GDDR5) |
| | NVIDIA GeForce 940MX (2GB / 4GB GDDR5) |
| Intel UHD Graphics 620 | AMD Radeon 530 (2GB / 4GB GDDR5) |

supports dual independent display;
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**
*Some:* 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio
*Some:* 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio

**Multi-touch** None

**Storage**
*Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
*Some:* SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high
*Some:* M.2 SSD / PCIe 3.0, 8Gb/s

**Optical *(optional)*** 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** *WxDxH:* 14.88" x 10.24" x 0.90"; 378mm x 260mm x 22.9mm
**Weight** 2.2 kg (4.85 lb)
**Case color** Onyx black, blizzard white, platinum grey, denim blue, plum purple, or coral red (for fingerprint reader model, only platinum grey and Onyx black are available)
**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** *Optional:* touch style fingerprint reader on the palm rest

**Battery** integrated Li-Ion 30Wh or 35Wh battery
**Max battery life** *MobileMark® 2014:* 6 hr
**AC adapter** 45W or 65W AC adapter

**Preload** Windows® 10 Home 64

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

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

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

# ideapad 320 (15") Intel Platform Specifications - 15ISK

*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 | | |

**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)

**Chipset**

Intel SoC (System on Chip) platform

**Memory**

12GB max / 2133MHz DDR4, dual-channel capable, optional
4GB memory soldered to systemboard, one DDR4 SO-DIMM socket

**Display**

*Some:* 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio
*Some:* 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio

**Multi-touch**

None

**Storage**

*Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
*Some:* SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high

**Optical *(optional)***

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**

*WxDxH:* 14.88" x 10.24" x 0.90"; 378mm x 260mm x 22.9mm

**Weight**

2.2 kg (4.85 lb)

**Case color**

Onyx black, blizzard white, platinum grey, denim blue, plum purple, or coral red (for fingerprint reader model, only platinum grey and Onyx black are available)

**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**

None

**Battery**

integrated Li-Ion 30Wh or 35Wh battery

**Max battery life**

*MobileMark® 2014:* 6 hr

**AC adapter**

45W or 65W AC adapter

**Preload**

Windows® 10 Home 64

**Limited warranty**

*One of the following, configurable by model:*

- 1-year mail-in repair service
- 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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