ideapad 320 (15") Intel 80XH021XGE

Region
WE

Country
Germany

Machine Type
80XH

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

Graphics
Integrated Intel HD Graphics 520

Memory
4GB DDR4-2133 Soldered

Display
15.6" FHD (1920x1080)

Multi-touch
None

Storage
128GB SSD

Optical
None

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
45W

Operating System
None

Warranty
2-year, Depot

Ann Date (mm/yy)
03/18

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

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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

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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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