ideapad 330 (15") Intel 81FK0040GE

Region
WE

Country
Germany

Machine Type
81FK

Processor
Core i5-8300H (4C, 2.3 / 4.0GHz, 8MB)

Graphics
NVIDIA GeForce GTX 1050 2GB GDDR5

Memory
4GB Soldered + 4GB DIMM DDR4-2400

Display
15.6" FHD (1920x1080) Anti-glare

Multi-touch
None

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

Optical
None

Ethernet
100/1000M

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

Color
Onyx Black

Camera
720p

Microphone
Dual Array

Keyboard
Backlit

Fingerprint Reader
None

Battery
45Wh

Power Adapter
135W

Operating System
Windows 10 Home 64

Warranty
2-year, Depot

Ann Date (mm/yy)
07/18

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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Processor — *15IKB:* Intel® Pentium® Processor or 7th Generation Intel Core™ i5 / i7 Processor

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
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i7-7500U			2.7 GHz	3.5 GHz	4MB		

15IKBR: 7th or 8th Generation Intel Core i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-7020U	2	4	2.3 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i3-8130U			2.2 GHz	3.4 GHz	4MB		Intel UHD Graphics 620
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB		
i7-8550U			1.8 GHz	4.0 GHz	8MB		

15ICH: 8th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-8300H	4	8	2.3 GHz	4.0 GHz	8MB	DDR4-2400	Intel UHD Graphics 630
i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB		

15ICN: 8th Generation Intel Core i3 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-8121U	2	4	2.2 GHz	3.2 GHz	4MB	DDR4-2400	-

15IGM: Intel Celeron® Processor or Intel Pentium Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel N4000	2	2	1.1 GHz	2.6 GHz	4MB	DDR4-2400	Intel UHD Graphics 600
Cel N4100	4	4	1.1 GHz	2.4 GHz			Intel UHD Graphics 600
Pen N5000			1.1 GHz	2.7 GHz			Intel UHD Graphics 605

Graphics
- *15IKB:* Intel HD Graphics 610 / 620 in processor only,
Intel HD Graphics 610 / 620 in processor and
AMD Radeon™ 530 (2GB or 4GB GDDR5 memory),
or Intel HD Graphics 610 / 620 in processor and
NVIDIA GeForce MX 110 / MX 130 (2GB GDDR5 memory)
- *15IKBR:* Intel HD Graphics 620 or UHD Graphics 620 in processor only,
Intel HD Graphics 620 or UHD Graphics 620 in processor and
AMD Radeon 530 (2GB or 4GB GDDR5 memory),
Intel HD Graphics 620 or UHD Graphics 620 in processor and
NVIDIA GeForce MX 150 (2GB or 4GB GDDR5 memory)
- *15ICH:* Intel UHD Graphics 630 and NVIDIA® GeForce® GTX 1050
(2GB or 4GB GDDR5 memory)
- *15ICN:* AMD Radeon 540 (2GB GDDR5 memory)
- *15IGM:* Intel UHD Graphics 600 or UHD Graphics 605 in processor only,
Intel UHD Graphics 600 or UHD Graphics 605 in processor and
AMD Radeon 530 (2GB GDDR5 memory)

supports external digital monitor via HDMI;
supports two independent displays;
Max resolution: 1920x1080@60Hz (HDMI)

Chipset — *15ICH:* Intel HM370 chipset; *others:* Intel SoC (System on Chip) platform

Memory
- *15IKB&IKBR:* 16GB max / 2133MHz DDR4, dual-channel capable, optional
4GB memory soldered to systemboard, one DDR4 SO-DIMM socket
- *15ICH:* 16GB max / 2400MHz DDR4, dual-channel capable, optional
4GB memory soldered to systemboard, one DDR4 SO-DIMM socket
- *15ICN:* 12GB max / 2400MHz DDR4, dual-channel capable, optional
4GB memory soldered to systemboard, one DDR4 SO-DIMM socket
- *15IGM:* 8GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket

Display
- *Some:* 15.6" (396mm) HD (1366x768), anti-glare or glossy, 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 *(opt)* — On-cell touch, supports 10-finger multi-touch

Storage
- *Some:* HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
- *Some:* SSD / SATA 6.0Gb/s, 2.5" wide
- *Some:* M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s
- *Some:* Intel Optane™ Memory, 16GB, M.2

Optical *(optional)* — DVD burner, 9.0mm high, fixed, tray-in

Ethernet — Gigabit Ethernet connection

WLAN — *One of the following, configurable by model:*
- 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card

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

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

Ports
- *15IGM:* one USB 2.0, one USB 3.1 Gen 1 (USB 3.0), audio combo jack, security keyhole, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack
- *Others:* two USB 3.1 Gen 1 (USB 3.0), one USB 3.1 Type-C Gen 1, audio combo jack, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack, security keyhole

Dimensions — *WxDxH:* 14.89" x 10.24" x 0.9"; 378mm x 260mm x 22.9mm

Weight — 2.2 kg (4.85 lb)

Case color — Blizzard white, platinum grey, onyx black, mid night blue, or chocolate brown

Case material — PC/ABS plastic

Camera
- *Some:* 0.3MP resolution, fixed focus, with single microphone
- *Some:* 720p HD, 1.0MP resolution, fixed focus, with dual array microphone
- *Some:* 720p HD, 1.0MP resolution, fixed focus, with single microphone

Audio support — HD Audio, stereo speakers with Dolby® Audio Certification, 1.5W x 2 / single microphone, audio combo jack

Keyboard — 6-row, multimedia Fn keys, numeric keypad, optional backlight

Touchpad — One-piece multi-touch touchpad

Security — Supervisor password, power-on password, hard-disk password (only Non- Intel Optane memory model), security keyhole

Security chip — Firmware TPM 2.0

Fingerprint reader — None

Battery — Integrated Li-ion 30Wh, 35Wh or 45Wh battery

Max battery life — *MobileMark® 2014:*
- *15IKB / IKBR / 15IGM:* 5.5 hrs (*30Wh*) / 6 hrs (*35Wh*)
- *15ICH:* 8 hrs (*45Wh*)
- *15ICN:* 4.5 hrs (*35Wh*)

AC adapter
- *15ICH:* 90W slim tip AC adapter
- *Others:* 45W or 65W slim tip AC adapter

Preload
- *Some:* Windows® 10 Home 64
- *Some:* Windows 10 Pro 64
- Preloaded applications (only some listed)
  - Lenovo® App Explorer
  - Lenovo ID
  - Lenovo Settings
  - McAfee® LiveSafe™ (30-day trial)

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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