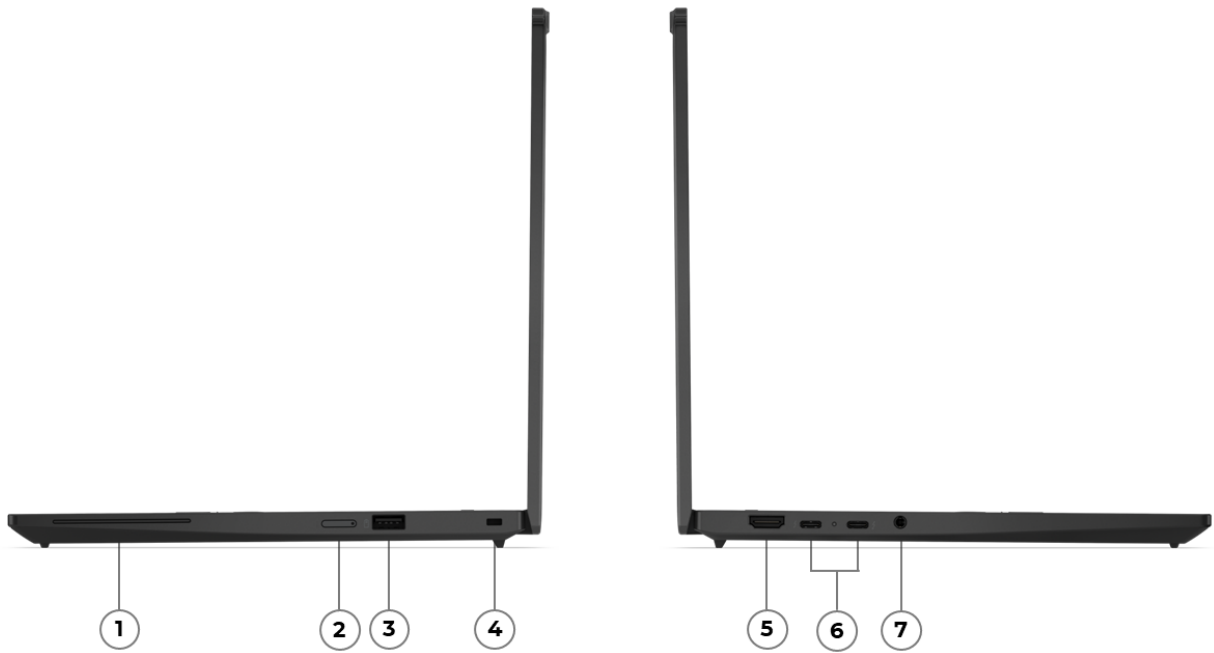


## OVERVIEW



|                                  |  |
|----------------------------------|--|
| 1. Smart card reader *           | 5. HDMI                                      |
| 2. Nano-SIM card slot *          | 6. 2x Thunderbolt 4                          |
| 3. USB-A (USB 5Gbps), Always On  | 7. Headphone / microphone combo jack (3.5mm) |
| 4. Kensington Nano Security Slot |  |

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

Intel® U or H Series Core Ultra 5 / 7 Processor (Series 2)

#### Processor\*\*

| Processor Name    | Cores                                  | Threads | Base Frequency                                   | Max Frequency                                    | Cache                   | Processor Graphics                  | NPU                            | Overall TOPS  |
|-------------------|--|---------|--|--|-------------------------|-------------------------------------|--------------------------------|---------------|
| Core Ultra 5 225H | 14 (4 P-core + 8 E-core + 2 LP E-core) | 14      | P-core 1.7GHz / E-core 1.3GHz / LP E-core 700MHz | P-core 4.9GHz / E-core 4.3GHz / LP E-core 2.5GHz | 18MB Intel® Smart Cache | Intel® Arc™ 130T GPU, up to 63 TOPS | Intel® AI Boost, up to 13 TOPS | Up to 83 TOPS |
| Core Ultra 5 225U | 12 (2 P-core + 8 E-core + 2 LP E-core) | 14      | P-core 1.5GHz / E-core 1.3GHz / LP E-core 700MHz | P-core 4.8GHz / E-core 3.8GHz / LP E-core 2.4GHz | 12MB Intel® Smart Cache | Intel® Graphics, up to 8 TOPS       | Intel® AI Boost, up to 12 TOPS | Up to 24 TOPS |
| Core Ultra 5 235U | 12 (2 P-core + 8 E-core + 2 LP E-core) | 14      | P-core 2.0GHz / E-core 1.6GHz / LP E-core 700MHz | P-core 4.9GHz / E-core 4.1GHz / LP E-core 2.4GHz | 12MB Intel® Smart Cache | Intel® Graphics, up to 8 TOPS       | Intel® AI Boost, up to 12 TOPS | Up to 24 TOPS |
| Core Ultra 7 265U | 12 (2 P-core + 8 E-core + 2 LP E-core) | 14      | P-core 2.1GHz / E-core 1.7GHz / LP E-core 700MHz | P-core 5.3GHz / E-core 4.2GHz / LP E-core 2.4GHz | 12MB Intel® Smart Cache | Intel® Graphics, up to 8 TOPS       | Intel® AI Boost, up to 12 TOPS | Up to 24 TOPS |
| Core Ultra 7 255H | 16 (6 P-core + 8 E-core + 2 LP E-core) | 16      | P-core 2.0GHz / E-core 1.5GHz / LP E-core 700MHz | P-core 5.1GHz / E-core 4.4GHz / LP E-core 2.5GHz | 24MB Intel® Smart Cache | Intel® Arc™ 140T GPU, up to 74 TOPS | Intel® AI Boost, up to 13 TOPS | Up to 96 TOPS |
| Core Ultra 7 255U | 12 (2 P-core + 8 E-core + 2 LP E-core) | 14      | P-core 2.0GHz / E-core 1.7GHz / LP E-core 700MHz | P-core 5.2GHz / E-core 4.2GHz / LP E-core 2.4GHz | 12MB Intel® Smart Cache | Intel® Graphics, up to 8 TOPS       | Intel® AI Boost, up to 12 TOPS | Up to 24 TOPS |

### AI (Artificial Intelligence)

#### AI PC Category

AI PC<sup>[1]</sup>

#### NPU

Integrated Intel® AI Boost, up to 13 TOPS

Notes:

[1] AI PCs have a NPU capable of 10+ TOPs to run the Copilot assistant by pressing the optional Microsoft® Copilot key or using Win + C.

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Ubuntu Linux<sup>[1]</sup>
- Linux<sup>[2]</sup>
- No preload operating system

Notes:

[1], [2] Some features may not be supported on the system with Linux preload, including but not limited to Intel® RST RAID, MIPI computer vision camera, WWAN, Human Presence Detection, etc.

### Graphics

**Graphics\*\***

| Graphics             | Type       | Memory | Key Features  |
|----------------------|------------|--------|---------------|
| Intel® Graphics      | Integrated | Shared | DirectX® 12.2 |
| Intel® Arc™ 130T GPU | Integrated | Shared | DirectX® 12.2 |
| Intel® Arc™ 140T GPU | Integrated | Shared | DirectX® 12.2 |

**Monitor Support****Monitor Support<sup>[1]</sup>**

Supports up to 4 independent displays (native display and 3 external monitors via HDMI® and Thunderbolt™)

- HDMI® supports up to 4K@60Hz
- Thunderbolt™ supports up to 8K@60Hz<sup>[2]</sup>

Notes:

[1] Refresh rates >60hz also supported, however max resolution will be limited.

[2] 8K resolution support needs 2 display pipes. That is, simultaneous display number will “-1” when 8K resolution displayed.

**Chipset****Chipset**

Intel® SoC (System on Chip) platform

**Memory****Max Memory**

- 16GB soldered memory, not upgradable
- 32GB soldered memory, not upgradable

**Memory Slots**

Memory soldered to systemboard, no slots, dual-channel

**Memory Type**

LPDDR5X-8400<sup>[1]</sup>

Notes:

[1] Installed memory is actually LPDDR5X-8533 but runs as LPDDR5X-8400 due to platform limitation.

**Storage****Max Storage Support<sup>[1]</sup>**

One drive, up to 1TB M.2 2280 SSD

**Storage Slot<sup>[2]</sup>**

- Models with U series processor: one M.2 2280 PCIe® 4.0 x4 slot
- Models with H series processor: one M.2 2280 PCIe® 5.0 x4 slot

**Storage Type\*\***

| Disk Type    | Interface  | Offering            | Security |
|--------------|--|---------------------|----------|
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 4.0 x4                            | 256GB / 512GB / 1TB | Opal 2.0 |
| M.2 2280 SSD | PCIe® NVMe®, PCIe® 5.0 x4 Performance <sup>[3]</sup> | 512GB / 1TB         | Opal 2.0 |

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

[2] The actual data transfer rate of the following PCIe® interface also depends on the capabilities of the connected PCIe® device. The listed values represent theoretical maximums.

PCIe® 3.0 (x2 / x4): 2 GB/s (16 Gbps) / 4 GB/s (32 Gbps);  
 PCIe® 4.0 (x2 / x4): 4 GB/s (32 Gbps) / 8 GB/s (64 Gbps);  
 PCIe® 5.0 (x2 / x4): 8 GB/s (64 Gbps) / 16 GB/s (128 Gbps).

[3] PCIe® 5.0 x4 SSD is downgraded to PCIe® 4.0 x4 performance on the models with U series processor.

**Removable Storage**

### Card Reader

No card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby Atmos®

### Microphone

Dual-microphone array, 360° far-field, Dolby Voice®

### Camera\*\*

- 5.0MP + IR discrete, with privacy shutter, fixed focus, Computer Vision on Image Signal Processor (ISP), temporal noise reduction<sup>[1]</sup>
- 5.0MP, with privacy shutter, fixed focus, temporal noise reduction
- No camera

Notes:

[1] Computer Vision on ISP is only available on the models with preloaded OS.

## Battery

### Battery\*\*<sup>[1]</sup>

- 41Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter
- 54.7Wh Rechargeable Li-ion Battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

### Battery Life<sup>[2]</sup>

Configuration 1 (max battery life)

MobileMark® 25: up to 14.41 hr with 570 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.85 hr / 27.73 hr @200nits

Local video playback: up to 24.56 hr @150nits

Alternate configuration 2

MobileMark® 25: up to 14 hr with 750 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 12.83 hr / 25.85 hr @200nits

Local video playback: up to 25.35 hr @150nits

Alternate configuration 3

MobileMark® 25: up to 13.13 hr with 583 performance score @250nits

JEITA-BAT 3.0 (Video/Idle): up to 13.12 hr / 26.1 hr @200nits

Local video playback: up to 23.63 hr @150nits

Notes:

[1] Rapid charge is only guaranteed when the computer is turned off or in standby mode or in hibernation mode. When the computer is powered on, the Charge Time will vary depending on system power consumption and AC adapter power.

[2] Configuration 1 (max battery life): WUXGA low power (non-touch), Intel® Core™ Ultra 5 225U, 16GB LPDDR5X, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 2: WUXGA (non-touch), Intel® Core™ Ultra 5 225H, 16GB LPDDR5X, Win 11, 54.7Wh battery, best power efficiency power mode

Alternate configuration 3: WUXGA (touch), Intel® Core™ Ultra 5 235U, 16GB LPDDR5X, Win 11, 54.7Wh battery, best power efficiency power mode

All battery life claims are approximate maximum and based on results using [MobileMark® 25](#), JEITA 3.0, continuous 1080p local video playback (using default Media Player in Fullscreen mode with 150nits brightness and default volume level), or Google Power Load Test (PLT) battery-life benchmark tests.

Actual battery life will vary depending on many factors such as product configuration, software, wireless functionality, power management settings, and screen brightness.

The maximum capacity of the battery will decrease with time, ambient temperature and use.

Refer to [Microsoft® link](#) for more information about the Windows® Performance power slider.

## Power Adapter

### Power Adapter\*\*<sup>[1]</sup>

- 65W USB-C® (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® nano GaN (2-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® nano GaN (3-pin, wall-mount) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- 65W USB-C® slim GaN (3-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz
- No power adapter

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

### Display

#### Display\*\*

| Size  | Resolution        | Touch       | Type               | Brightness | Surface    | Aspect Ratio | Contrast Ratio | Color Gamut | Refresh Rate | Viewing Angle (L/R/U/D) | Key Features           |
|-------|-------------------|-------------|--------------------|------------|------------|--------------|----------------|-------------|--------------|-------------------------|------------------------|
| 13.3" | WUXGA (1920x1200) | Multi-touch | IPS <sup>[1]</sup> | 400nits    | Anti-glare | 16:10        | 1500:1         | 100% sRGB   | 60Hz         | 85° / 85° / 85° / 85°   | Eyesafe® Certified 2.0 |
| 13.3" | WUXGA (1920x1200) | Non-touch   | IPS <sup>[2]</sup> | 400nits    | Anti-glare | 16:10        | 1500:1         | 100% sRGB   | 60Hz         | 85° / 85° / 85° / 85°   | Eyesafe® Certified 2.0 |

#### Touchscreen

- On-cell multi-touch, supports 10-point touch
- Non-touch

#### Screen-to-Body Ratio

87.8%

Notes:

[1], [2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

### Input Device

#### Pen

No support

#### Keyboard

6-row, spill-resistant, multimedia Fn keys, key travel 1.5mm / 1.35mm (Fn row &amp; G/H/B), Copilot key

#### Keyboard Backlight

- LED backlight
- Non-backlight

#### UltraNav™

TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu

Glass-like Mylar® surface multi-touch 3-button Trackpad, 74.3 x 115 mm (2.93 x 4.53 inches)

### Mechanical

#### Dimensions (WxDxH)<sup>[1]</sup>

| Models                                    | Dimensions  |
|---|---|
| Models with carbon fiber hybrid top cover | 299.3 x 207 x 10.25/13.35 (front/rear), 18.15 (maximum) mm;<br>11.78 x 8.15 x 0.40/0.53 (front/rear), 0.71 (maximum) inches |
| Models with CFRP top cover                | 299.3 x 207 x 9.85/12.95 (front/rear), 17.75 (maximum) mm;<br>11.78 x 8.15 x 0.39/0.51 (front/rear), 0.70 (maximum) inches  |

#### Weight<sup>[2]</sup>

| Models | Weight |
|--------|--------|
|        |        |

|                            |                              |
|----------------------------|------------------------------|
| Models with 41Wh battery   | Starting at 927 g (2.04 lbs) |
| Models with 54.7Wh battery | Starting at 962 g (2.12 lbs) |

**Case Color**

Black

**Case Material\*\***

- CFRP (top), aluminium (bottom)
- CFRP (top), magnesium (bottom)
- Carbon fiber hybrid (top), aluminium (bottom)
- Carbon fiber hybrid (top), magnesium (bottom)

Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

**CONNECTIVITY****Network****WLAN + Bluetooth®\*\*[1]**

- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3
- Intel® Wi-Fi® 6E AX211, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.3, Intel® vPro® technology support<sup>[2]</sup>
- Intel® Wi-Fi® 7 BE201, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4
- Intel® Wi-Fi® 7 BE201, 802.11be 2x2 Wi-Fi® + Bluetooth® 5.4, Intel® vPro® technology support<sup>[3]</sup>
- No WLAN and Bluetooth®

**WWAN\*\***

- Wireless WAN upgradable to 4G (with antenna ready)<sup>[4]</sup>
- Quectel EM061K-GL, 4G LTE CAT6, M.2 card, with embedded eSIM functionality
- Rolling Wireless RW350R-GL, 5G Sub-6 GHz, M.2 card, with embedded eSIM functionality
- No support

**SIM Card\*\***

- KDDI eSIM Program (Japan)<sup>[5]</sup>
- KDDI eSIM Program 3-year (Japan)
- KDDI eSIM Program 3-year with international roaming (Japan)
- KDDI eSIM Program 4-year (Japan)
- KDDI eSIM Program 4-year with international roaming (Japan)
- KDDI eSIM Program 5-year with international roaming (Japan)
- No physical SIM card inbox

**Ethernet**No onboard Ethernet<sup>[6]</sup>**NFC**

- Near Field Communication
- No support

Notes:

[1] Wi-Fi® operation (including Wi-Fi® 6, Wi-Fi® 6E, Wi-Fi® 7, etc.) is subject to the regulatory requirements of each country. Bluetooth® may operate at a lower version than hardware design depending on the factors such as operating system, driver, etc.

[2], [3] Intel® vPro® platform requires the hardware and software necessary to deliver the manageability use cases, security features, system performance, and stability that define the platform. For detailed vPro® support information, please refer to the System Management section.

[4] Wireless WAN upgradable is only available in EMEA.

[5] KDDI eSIM Program has no physical SIM card inbox and is for special bid only.

[6] Ethernet support via optional Lenovo® USB-C® to Ethernet Adapter.

**Ports<sup>[1]</sup>**

## Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x USB-C® (Thunderbolt™ 4 / USB4® 40Gbps), with USB PD 15-65W and DisplayPort™ 2.1
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)

## Optional Ports\*\*\*

- 1x Nano-SIM card slot (WWAN support models)
- 1x Smart card reader

### Notes:

[1] The transfer speed of the ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.

## Docking

### Docking

Various docking solutions supported via Thunderbolt™ / USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® X13 Gen 6 \(Intel®\)](#)

## SECURITY & PRIVACY

### Security

#### ThinkShield

ThinkShield is a comprehensive security solution that encompasses hardware, software, and supply chain components. For more details, visit [here](#)

#### Security Chip

Discrete TPM 2.0, TCG certified, FIPS 140-3 certified

#### Physical Locks

Kensington® Nano Security Slot™, 2.5 x 6 mm

#### Smart Card Reader

- Smart card reader, supports ISO 7816 and EMV
- No smart card reader

#### Fingerprint Reader

- Touch style fingerprint reader integrated in power button, match-on-chip
- No fingerprint reader

#### BIOS Security

- Certificate-based BIOS authentication
- FIDO (Fast Identity Online) authentication
- NVMe® password
- Power-on password
- Supervisor password
- System management password
- Self-healing BIOS
- More BIOS security features, please visit [BIOS Simulator](#)<sup>[1]</sup>

#### Other Security

- (Optional) Computer Vision-based Human Presence Detection on Image Signal Processor (ISP)
- Camera privacy shutter (camera models)
- (Optional) IR camera for Windows® Hello (facial recognition)

### Notes:

[1] The BIOS simulator is just for reference. Default settings and some options may vary depending on the hardware, operating system and BIOS version.

## MANAGEABILITY

### System Management

## System Management<sup>[1]</sup>

- Intel® vPro® Enterprise<sup>[2]</sup>
- Non-vPro®

### Notes:

[1] Intel® vPro® platform require an eligible Intel® processor, a supported operating system, Intel® LAN and/or WLAN silicon, firmware enhancements, and other hardware and software necessary to deliver the manageability use cases, security features, system performance, and stability that define the platform. See [Intel® vPro® Platform](#) for details.

[2] Intel® vPro® offers a superset of DASH's defined capabilities.

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ACCESSORIES

### Bundled Accessories

#### Bundled Accessories\*\*\*<sup>[1]</sup>

- Lenovo® HDMI® to VGA Monitor Adapter
- Lenovo® USB-C® to DisplayPort™ Adapter
- Lenovo® USB-C® to Ethernet Adapter (1Gbps)
- Lenovo® USB-C® to VGA Adapter
- None

### Notes:

[1] For more compatible accessory solutions, please visit [Accessories for ThinkPad® X13 Gen 6 \(Intel®\)](#).

## OPERATING REQUIREMENTS

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping package: -20°C (-4°F ) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

### Notes:

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

## ENVIRONMENTAL

### Sustainability

#### Material<sup>[1]</sup>

30% PCC recycled plastic on CFRP top cover

48% PCC recycled plastic used in display panel frame  
90% recycled magnesium on keyboard frame  
55% recycled aluminium on bottom cover  
85% PCC recycled plastic used in keycaps  
90% PCC recycled plastic used in speaker enclosure  
95% PCC recycled plastic used in cable holders  
90% PCC recycled plastic used in the battery pack enclosure  
90% PCC recycled plastic used in 65W standard and 65W slim GaN adapters  
100% plastic free packaging

Notes:

[1] PCC: Post Consumer Content, recycled materials from customers.

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- ErP Lot 6/26
- RoHS compliant
- TCO Certified, generation 10

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration. For ESG & regulatory compliance documents, please visit <https://compliance.lenovo.com>.

[2] EPEAT™ registration and ENERGY STAR® certification are optional and only available on the models with preloaded OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please visit [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

#### Other Certifications

- (Optional) Intel® Evo™ Platform
- Eyesafe® Certified 2.0

- Feature with \*\* means that only one option listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
- Feature with \*\*\* means that one or more options listed under the feature can be configured on selected models. Please refer to the model configuration for specific information.
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