# ASUS Zenbook 14 UX434FLC-AI284R laptop Intel® Core™ i7 i7-10510U 35.6 cm (14") Full HD 16 GB LPDDR3-SDRAM 1 TB SSD NVIDIA® GeForce® MX250 Wi-Fi 6 (802.11ax) Windows 10 Pro Blue

**Brand :** ASUS          **Product family:** Zenbook          **Product code:** UX434FLC-AI284R

**Product name :** UX434FLC-AI284R

- Windows 10 Pro
- Intel Core i7-10510U (8MB Cache, 1.8GHz)
- 35.6 cm (14") Full HD 1920 x 1080, NVIDIA GeForce MX250 (2GB GDDR5)
- 16GB (2133MHz) LPDDR3-SDRAM & 1000GB SSD
Intel Core i7-10510U (8MB Cache, 1.8GHz), 16GB LPDDR3-SDRAM, 1000GB SSD, 35.6 cm (14") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce MX250 (2GB GDDR5), WLAN, Bluetooth, Webcam, Windows 10 Pro
ASUS Zenbook 14 UX434FLC-AI284R. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-10510U, Processor frequency: 1.8 GHz. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: LPDDR3-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Pro. Product colour: Blue

## Design

| | |
|---|---|
| Product type * | Laptop |
| Product colour * | Blue |
| Form factor * | Clamshell |

## Display

| | |
|---|---|
| Display diagonal * | 35.6 cm (14") |
| Display resolution * | 1920 x 1080 pixels |
| HD type | Full HD |
| LED backlight | ✔ |
| Native aspect ratio | 16:9 |
| Display surface | Gloss |
| Dual-screen | ✖ |
| sRGB coverage (typical) | 100% |

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i7 |
| Processor generation | 10th gen Intel® Core™ i7 |
| Processor model * | i7-10510U |
| Processor cores | 4 |
| Processor threads | 8 |
| Processor boost frequency | 4.9 GHz |
| Processor frequency * | 1.8 GHz |
| System bus rate | 4 GT/s |
| Processor cache | 8 MB |
| Processor socket | BGA 1528 |
| Processor lithography | 14 nm |
| Processor operating modes | 64-bit |
| Processor codename | Comet Lake |
| Thermal Design Power (TDP) | 15 W |
| Configurable TDP-up frequency | 2.3 GHz |
| Configurable TDP-up | 25 W |
| Configurable TDP-down | 10 W |
| Configurable TDP-down frequency | 0.8 GHz |
| Tjunction | 100 °C |

## Network

| | |
|---|---|
| Wi-Fi | ✔ |
| Top Wi-Fi standard * | Wi-Fi 6 (802.11ax) |
| Wi-Fi standards | Wi-Fi 6 (802.11ax) |
| Antenna type | 2x2 |
| Ethernet LAN | ✖ |
| Bluetooth | ✔ |
| Bluetooth version | 5.0 |

## Ports & interfaces

| | |
|---|---|
| USB 2.0 ports quantity * | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1 |
| HDMI ports quantity * | 1 |
| Combo headphone/mic port | ✔ |

## Keyboard

| | |
|---|---|
| Pointing device | ScreenPad |
| Numeric keypad * | ✖ |
| Windows keys | ✔ |

## Software

| | |
|---|---|
| Operating system installed * | Windows 10 Pro |

## Processor special features

| | |
|---|---|
| Intel® My WiFi Technology (Intel® MWT) | ✔ |
| Intel® Identity Protection Technology (Intel® IPT) | ✔ |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✔ |
| Intel® Turbo Boost Technology | 2.0 |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✔ |

| Processor | |
| --- | --- |
| Maximum number of PCI Express lanes | 16 |
| PCI Express slots version | 3.0 |
| PCI Express configurations | 1x4, 2x2, 1x2+2x1, 4x1 |

| Memory | |
| --- | --- |
| Internal memory * | 16 GB |
| Internal memory type | LPDDR3-SDRAM |
| Memory clock speed | 2133 MHz |
| Memory form factor | On-board |
| Maximum internal memory * | 16 GB |

| Storage | |
| --- | --- |
| Total storage capacity * | 1 TB |
| Storage media * | SSD |
| Total SSDs capacity | 1 TB |
| Number of SSDs installed | 1 |
| SSD capacity | 1 TB |
| Optical drive type * | ✘ |
| Card reader integrated | ✔ |
| Compatible memory cards | MicroSD (TransFlash) |

| Graphics | |
| --- | --- |
| Discrete graphics card model * | NVIDIA® GeForce® MX250 |
| Discrete graphics card memory | 2 GB |
| Discrete graphics memory type | GDDR5 |
| On-board graphics card * | ✔ |
| Discrete graphics card * | ✔ |
| On-board graphics card family | Intel® UHD Graphics |
| On-board graphics card model * | Intel® UHD Graphics |
| On-board graphics card base frequency | 300 MHz |
| On-board graphics card dynamic frequency (max) | 1150 MHz |
| Maximum on-board graphics card memory | 32 GB |
| Number of execution units | 24 |
| On-board graphics card DirectX version | 12.0 |
| On-board graphics card OpenGL version | 4.5 |
| On-board graphics card ID | 0x9B41 |

| Audio | |
| --- | --- |
| Speaker power | 1 W |
| Built-in microphone | ✔ |

| Camera | |
| --- | --- |
| Front camera | ✔ |
| Infrared (IR) camera | ✔ |

| Processor special features | |
| --- | --- |
| Intel Clear Video Technology | ✔ |
| Intel® Quick Sync Video Technology | ✔ |
| Intel Flex Memory Access | ✔ |
| Intel® AES New Instructions (Intel® AES-NI) | ✔ |
| Intel Trusted Execution Technology | ✘ |
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Intel® Secure Key | ✔ |
| Intel TSX-NI | ✘ |
| Intel Stable Image Platform Program (SIPP) | ✘ |
| Intel® OS Guard | ✔ |
| Intel Software Guard Extensions (Intel SGX) | ✔ |
| Intel 64 | ✔ |
| Execute Disable Bit | ✔ |
| Idle States | ✔ |
| Thermal Monitoring Technologies | ✔ |
| Processor package size | 46 x 24 mm |
| Supported instruction sets | SSE4.1, SSE4.2, AVX 2.0 |
| CPU configuration (max) | 1 |
| Embedded options available | ✘ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Virtualization Technology (VT-x) | ✔ |
| Processor ARK ID | 196449 |

| Battery | |
| --- | --- |
| Battery technology | Lithium Polymer (LiPo) |
| Number of battery cells | 3 |
| Battery capacity * | 50 Wh |

| Power | |
| --- | --- |
| AC adapter power | 65 W |
| AC adapter frequency | 50 - 60 Hz |
| AC adapter input voltage | 100 - 240 V |
| AC adapter output current | 3.42 A |
| AC adapter output voltage | 19 V |

| Security | |
| --- | --- |
| Password protection | ✔ |
| Password protection type | BIOS, User |

| Weight & dimensions | |
| --- | --- |
| Width | 319 mm |
| Depth | 199 mm |
| Height | 16.9 mm |