**ASUS**

# ASUS Vivobook S15 S533FL-BQ019 laptop Intel® Core™ i5 i5-10210U 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD NVIDIA® GeForce® MX250 Wi-Fi 6 (802.11ax) FreeDOS Grey

**Brand :** ASUS          **Product family:** Vivobook          **Product code:** S533FL-BQ019

**Product name :** S533FL-BQ019

- FreeDOS
- Intel Core i5-10210U (6MB Cache, 1.6GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA GeForce MX250 (2GB GDDR5)
- 8GB (2666MHz) DDR4-SDRAM & 512GB SSD

Intel Core i5-10210U (6MB Cache, 1.6GHz), 8GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA GeForce MX250 (2GB GDDR5), WLAN, Webcam, FreeDOS ASUS Vivobook S15 S533FL-BQ019. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-10210U, Processor frequency: 1,6 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: FreeDOS. Product colour: Grey

## Design

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

## Display

| Display diagonal * | 39,6 cm (15.6") |
|---|---|
| Display resolution * | 1920 x 1080 pixels |
| Touchscreen * | ✘ |
| HD type | Full HD |
| Panel type | IPS |
| LED backlight | ✔ |
| Native aspect ratio | 16:9 |

## Processor

| Processor manufacturer * | Intel |
|---|---|
| Processor family * | Intel® Core™ i5 |
| Processor generation | 10th gen Intel® Core™ i5 |
| Processor model * | i5-10210U |
| Processor cores | 4 |
| Processor threads | 8 |
| Processor boost frequency | 4,2 GHz |
| Processor frequency * | 1,6 GHz |
| System bus rate | 4 GT/s |
| Processor cache | 6 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 | 2,1 GHz |

## Network

| Top Wi-Fi standard * | Wi-Fi 6 (802.11ax) |
|---|---|
| Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax) |
| Mobile network connection * | ✘ |
| Ethernet LAN | ✘ |
| Bluetooth | ✔ |
| Bluetooth version | 5.0 |

## Ports & interfaces

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

## Performance

| Repairability index | 6.3 |
|---|---|

## Keyboard

| Pointing device | Touchpad |
|---|---|
| Numeric keypad * | ✔ |
| Full-size keyboard | ✔ |

## Software

| Operating system installed * | FreeDOS |
|---|---|

## Processor special features

| Intel® My WiFi Technology (Intel® MWT) | ✔ |
|---|---|

## Processor

| | |
|---|---|
| Configurable TDP-up | 25 W |
| Configurable TDP-down | 10 W |
| Configurable TDP-down frequency | 0,8 GHz |
| Tjunction | 100 °C |
| Maximum number of PCI Express lanes | 16 |
| PCI Express slots version | 3.0 |
| PCI Express configurations | 1x4, 2x2, 1x2+2x1, 4x1 |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type | DDR4-SDRAM |
| Memory clock speed | 2666 MHz |

## Storage

| | |
|---|---|
| Total storage capacity * | 512 GB |
| Storage media * | SSD |
| Total SSDs capacity | 512 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 512 GB |
| Optical drive type * | ✘ |
| Card reader integrated | ✔ |
| Compatible memory cards | MicroSD (TransFlash) |

## Graphics

| | |
|---|---|
| Discrete GPU manufacturer | NVIDIA |
| Discrete graphics card model * | NVIDIA® GeForce® MX250 |
| Discrete graphics card memory | 2 GB |
| Discrete graphics memory type | GDDR5 |
| On-board graphics card * | ✔ |
| On-board GPU manufacturer | Intel |
| Discrete graphics card * | ✔ |
| On-board graphics card model * | Intel® UHD Graphics |
| On-board graphics card base frequency | 300 MHz |
| On-board graphics card dynamic frequency (max) | 1100 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

| | |
|---|---|
| Audio system | SonicMaster |
| Built-in microphone | ✔ |

## Camera

| | |
|---|---|
| Front camera | ✔ |
| Front camera HD type | HD |

## Processor special features

| | |
|---|---|
| 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) | ✔ |
| 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 | 195436 |

## 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 |

## Weight & dimensions

| | |
|---|---|
| Width | 359,8 mm |
| Depth | 233,8 mm |
| Height | 16,1 mm |
| Weight * | 1,8 kg |

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