# ASUS F540UA-DM746T Intel® Core™ i3 i3-6006U Laptop 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1,13 TB HDD+SSD Wi-Fi 5 (802.11ac) Windows 10 Home Black, Chocolate

**Brand :** ASUS

**Product code:** 90NB0HF1-M08160

**Product name :** F540UA-DM746T

Intel Core i3-6006U (2GHz, 3M Cache), 8GB RAM, 1000GB HDD + 128GB SSD, Intel HD Graphics 520, WLAN 802.11, WebCam, Windows 10

ASUS F540UA-DM746T Intel® Core™ i3 i3-6006U Laptop 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1,13 TB HDD+SSD Wi-Fi 5 (802.11ac) Windows 10 Home Black, Chocolate:

**Designed for Productivity and Entertainment**

The ASUS F540 Series is powered by the Intel® processors to give you smooth and responsive computing performance. With NVIDIA® GeForce® 900 Series discrete graphics, an advanced onboard memory controller, up to 12GB RAM, and Windows 10, F540 is an ideal daily computing platform. ASUS F540UA-DM746T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-6006U, Processor frequency: 2 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: 1,13 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 520. Operating system installed: Windows 10 Home. Product colour: Black, Chocolate

## Design

| | |
|---|---|
| Product type * | Laptop |
| Product colour * | Black, Chocolate |
| Form factor * | Clamshell |

## Display

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

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i3 |
| Processor generation | 6th gen Intel® Core™ i3 |
| Processor model * | i3-6006U |
| Processor cores | 2 |
| Processor threads | 4 |
| Processor frequency * | 2 GHz |
| System bus rate | 4 GT/s |
| Processor cache | 3 MB |
| Processor cache type | Smart Cache |
| Processor socket | BGA 1356 |
| Processor lithography | 14 nm |
| Processor operating modes | 64-bit |
| Processor series | Intel Core i3-6000 Mobile Processor Series |
| Processor codename | Skylake |
| Bus type | OPI |
| Stepping | D1 |
| Thermal Design Power (TDP) | 15 W |
| Tjunction | 100 °C |
| Maximum number of PCI Express lanes | 12 |
| PCI Express slots version | 3.0 |

## Keyboard

| | |
|---|---|
| Numeric keypad * | ✔ |
| Windows keys | ✔ |

## Software

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

## Processor special features

| | |
|---|---|
| Intel® Wireless Display (Intel® WiDi) | ✔ |
| Intel® My WiFi Technology (Intel® MWT) | ✔ |
| Intel® Smart Response Technology | ✔ |
| Intel® Identity Protection Technology (Intel® IPT) | ✔ |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✔ |
| Intel® Turbo Boost Technology | ✘ |
| Intel® Small Business Advantage (Intel® SBA) | ✔ |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✔ |
| Intel Clear Video Technology | ✔ |
| Intel® InTru™ 3D Technology | ✔ |
| Intel® Quick Sync Video Technology | ✔ |
| Intel Flex Memory Access | ✔ |
| Intel® AES New Instructions (Intel® AES-NI) | ✔ |
| Intel Trusted Execution Technology | ✘ |
| Intel Enhanced Halt State | ✔ |
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Intel® Secure Key | ✔ |
| Intel TSX-NI | ✘ |

## Processor

| | |
|---|---|
| PCI Express configurations | 1x2+2x1, 1x4, 2x2, 4x1 |
| ECC supported by processor | ✘ |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type | DDR4-SDRAM |
| Memory clock speed | 2133 MHz |
| Memory form factor | On-board + SO-DIMM |
| Maximum internal memory * | 12 GB |

## Storage

| | |
|---|---|
| Total storage capacity * | 1,13 TB |
| Storage media * | HDD+SSD |
| Number of hard drives installed | 1 |
| Hard drive capacity | 1 TB |
| Number of SSDs installed | 1 |
| Solid-state drive capacity | 128 GB |
| Card reader integrated | ✔ |
| Compatible memory cards | MicroSD (TransFlash) |

## Graphics

| | |
|---|---|
| Discrete graphics card model * | Not available |
| On-board graphics card * | ✔ |
| Discrete graphics card * | ✘ |
| On-board graphics card family | Intel® HD Graphics |
| On-board graphics card model * | Intel® HD Graphics 520 |
| On-board graphics card base frequency | 300 MHz |
| On-board graphics card dynamic frequency (max) | 900 MHz |
| Maximum on-board graphics card memory | 32 GB |
| On-board graphics card DirectX version | 12.0 |
| On-board graphics card OpenGL version | 4.4 |
| On-board graphics card ID | 1916 |

## Audio

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

## Camera

| | |
|---|---|
| Front camera | ✔ |

## Network

| | |
|---|---|
| Wi-Fi | ✔ |
| Top Wi-Fi standard * | Wi-Fi 5 (802.11ac) |
| Wi-Fi standards | 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n) |
| Ethernet LAN | ✘ |
| Bluetooth | ✔ |
| Bluetooth version | 4.2 |

## Ports & interfaces

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

## Keyboard

| | |
|---|---|
| Pointing device | Touchpad |

## Processor special features

| | |
|---|---|
| Intel Stable Image Platform Program (SIPP) | ✘ |
| Intel® OS Guard | ✔ |
| Intel Software Guard Extensions (Intel SGX) | ✔ |
| Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✔ |
| Intel 64 | ✔ |
| Execute Disable Bit | ✔ |
| Idle States | ✔ |
| Thermal Monitoring Technologies | ✔ |
| Processor package size | 42 x 24 mm |
| Supported instruction sets | AVX 2.0, SSE4.1, SSE4.2 |
| Processor code | SSSR2UW |
| CPU configuration (max) | 1 |
| Embedded options available | ✘ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Identity Protection Technology version | 1,00 |
| Intel Smart Response Technology version | 1,00 |
| Intel Stable Image Platform Program (SIPP) version | 0,00 |
| Intel Secure Key Technology version | 1,00 |
| Intel Small Business Advantage (SBA) version | 1,00 |
| Intel TSX-NI version | 0,00 |
| Intel Virtualization Technology (VT-x) | ✔ |
| Processor ARK ID | 91157 |
| Conflict-Free processor | ✔ |

## Battery

| | |
|---|---|
| Number of battery cells | 3 |
| Battery capacity * | 33 Wh |

## Power

| | |
|---|---|
| AC adapter power | 45 W |
| AC adapter frequency | 50 - 60 Hz |
| AC adapter input voltage | 100 - 240 V |
| AC adapter output current | 2,47 A |
| AC adapter output voltage | 19 V |

## Security

| | |
|---|---|
| Trusted Platform Module (TPM) | ✔ |
| Password protection | ✔ |
| Password protection type | BIOS, HDD, User |

## Weight & dimensions

| | |
|---|---|
| Width | 381 mm |
| Depth | 251 mm |
| Height | 27,2 mm |
| Weight * | 1,9 kg |

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