

ASUS TUF Gaming FX505GE-ES203T laptop Intel® Core™ i5 i5-8300H 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 256 GB SSD NVIDIA® GeForce® GTX 1050 Ti Wi-Fi 5 (802.11ac) Windows 10 Black



Brand : ASUS

Product family: TUF Gaming

Product code: FX505GE-ES203T

Product name : FX505GE-ES203T

15.6" Full HD 144Hz, Intel Core i5-8300H, 8 GB DDR4, 256 GB M.2 SSD, Nvidia GeForce GTX 1050 Ti 4GB GDDR5, 802.11ac WiFi, Bluetooth 5.0, 2x USB 2.0, 2x USB 3.1, HDMI, Windows 10
ASUS TUF Gaming FX505GE-ES203T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-8300H, Processor frequency: 2.3 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: 256 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10. Product color: Black

Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product color *	Black	Ethernet LAN (RJ-45) ports	1
Form factor *	Clamshell	HDMI ports quantity *	1
Market positioning	Gaming	HDMI version	2.0
Display		Combo headphone/mic port	✓
Display diagonal *	39.6 cm (15.6")	Performance	
Display resolution *	1920 x 1080 pixels	Virtual Reality (VR) ready	✓
Touchscreen *	✗	Repairability index	5.2
HD type	Full HD	Keyboard	
Panel type	IPS	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✓
Native aspect ratio	16:9	Keyboard backlight	✓
Display surface	Matt	Keyboard backlight color	Yellow
Dual-screen	✗	Full-size keyboard	✓
Processor		Windows keys	✓
Processor manufacturer *	Intel	Software	
Processor family *	Intel® Core™ i5	Operating system architecture	64-bit
Processor generation	8th gen Intel® Core™ i5	Operating system installed *	Windows 10
Processor model *	i5-8300H	Processor special features	
Processor cores	4	Intel® My WiFi Technology (Intel® MWT)	✓
Processor threads	8	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor boost frequency	4 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor frequency *	2.3 GHz	Intel® Turbo Boost Technology	2.0
System bus rate	8 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	8 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Coffee Lake		
Bus type	DMI		

Processor		Processor special features	
Thermal Design Power (TDP)	45 W	Intel Clear Video Technology	✓
Configurable TDP-down	35 W	Intel® InTru™ 3D Technology	✓
Configurable TDP-down frequency	1.8 GHz	Intel® Quick Sync Video Technology	✓
Tjunction	100 °C	Intel Flex Memory Access	✓
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory form factor	SO-DIMM	Intel Stable Image Platform Program (SIPP)	✗
Memory slots	2x SO-DIMM	Intel® OS Guard	✓
Maximum internal memory *	32 GB	Intel Software Guard Extensions (Intel SGX)	✓
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Total storage capacity *	256 GB	Intel 64	✓
Storage media *	SSD	Execute Disable Bit	✓
Total SSDs capacity	256 GB	Idle States	✓
Number of SSDs installed	1	Thermal Monitoring Technologies	✓
SSD capacity	256 GB	Processor package size	42 x 28 mm
SSD interface	PCI Express 3.0	CPU configuration (max)	1
SSD form factor	M.2	Embedded options available	✗
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✗	Intel Identity Protection Technology version	1.00
Graphics		Intel Stable Image Platform Program (SIPP) version	0.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 1050 Ti	Intel Secure Key Technology version	1.00
Discrete graphics card memory	4 GB	Intel TSX-NI version	0.00
Discrete graphics memory type	GDDR5	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Processor ARK ID	134876
Discrete graphics card *	✓	Battery	
On-board graphics card family	Intel® UHD Graphics	Battery capacity	2526 mAh
On-board graphics card model *	Intel® UHD Graphics 630	Battery capacity *	48 Wh
On-board graphics card base frequency	350 MHz	Power	
On-board graphics card dynamic frequency (max)	1000 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	64 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	12.0	Security	
On-board graphics card OpenGL version	4.5	Cable lock slot	✓
On-board graphics card ID	0x3E9B	Cable lock slot type	Kensington
Audio		Trusted Platform Module (TPM)	✓
Audio system	DTS Headphone: X	Weight & dimensions	
Number of built-in speakers	2	Width	360.4 mm
Speaker power	2 W	Depth	262 mm
Built-in microphone	✓	Height (front)	2.58 cm
Camera		Height (rear)	2.68 cm
Front camera	✓	Weight *	2.2 kg
Network		Packaging content	
Wi-Fi	✓	AC adapter included *	✓
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Manual	✓
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Warranty card	✓
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		

Network		Other features	
Bluetooth version	5.0	Maximum internal memory (64-bit)	32 GB
Ports & interfaces			
USB 2.0 ports quantity *	1		



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