



ASUS TUF Gaming FX504GM-EN006T notebook DDR4-SDRAM 39.6 cm (15.6") 1920 x 1080 pixels 8th gen Intel® Core™ i7 16 GB 1128 GB HDD+SSD NVIDIA® GeForce® GTX 1060 Wi-Fi 5 (802.11ac) Windows 10 Home Black

Brand : ASUS

Product family: TUF Gaming

Product code: FX504GM-EN006T

Product name : FX504GM-EN006T



Intel Core i7-8750H (2.2GHz, 9M Cache), 16GB RAM, 1000GB HDD + 128GB SSD, NVIDIA GeForce GTX 1060, WLAN 802.11, Ethernet, WebCam, Windows 10 Home

ASUS TUF Gaming FX504GM-EN006T. Product type: Notebook, Form factor: Clamshell. Processor family: 8th gen Intel® Core™ i7, Processor model: i7-8750H, Processor frequency: 2.2 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1128 GB, Storage media: HDD+SSD. On-board graphics adapter model: Intel® UHD Graphics 630, Discrete graphics adapter model: NVIDIA® GeForce® GTX 1060.

Operating system installed: Windows 10 Home. Product colour: Black



Design		Ports & interfaces	
Product type *	Notebook	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Black	Ethernet LAN (RJ-45) ports	1
Form factor *	Clamshell	HDMI ports quantity *	1
Market positioning	Gaming	DVI port	✗
Display		LAN/VGA combo port	✗
Display diagonal *	39.6 cm (15.6")	S/PDIF out port	✗
Display resolution *	1920 x 1080 pixels	Line-in	✗
Touchscreen *	✗	Combo headphone/mic port	✓
HD type	Full HD	Alienware graphics amplifier port	✗
LED backlight	✓	Charging port type	DC-in jack
Native aspect ratio	16:9	CardBus PCMCIA slot type	✗
Display surface	Matt	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✓
Processor model *	i7-8750H	Windows keys	✓
Processor frequency *	2.2 GHz	Software	
Processor boost frequency	4.1 GHz	Operating system architecture	64-bit
Processor family *	8th gen Intel® Core™ i7	Operating system installed *	Windows 10 Home
Processor cores	6	Processor special features	
Processor threads	12	Intel® My WiFi Technology (Intel® MWT)	✓
System bus rate	8 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	9 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	BGA 1440	Enhanced Intel SpeedStep Technology	✓
Processor lithography	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✓
Processor codename	Coffee Lake	Intel® InTru™ 3D Technology	✓
Bus type	DMI	Intel® Quick Sync Video Technology	✓
Stepping	U0	Intel Flex Memory Access	✓
Motherboard chipset	Intel® HM370		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Configurable TDP-down frequency	1.7 GHz		
Tjunction	100 °C		

Processor		Processor special features	
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	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✗
Memory clock speed	2666 MHz	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory slots	2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum internal memory *	32 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1128 GB	Idle States	✓
Storage media *	HDD+SSD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	42 x 28 mm
HDD capacity	1000 GB	Supported instruction sets	AVX 2.0,SSE4.1,SSE4.2
SSD capacity	128 GB	Processor code	SR3YY
SSD interface	SATA III	CPU configuration (max)	1
SSD form factor	M.2	Embedded options available	✗
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Identity Protection Technology version	1.00
Discrete graphics adapter model *	NVIDIA® GeForce® GTX 1060	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics adapter *	✓	Intel Secure Key Technology version	1.00
Discrete graphics adapter *	✓	Intel TSX-NI version	0.00
On-board graphics adapter family	Intel® UHD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics adapter model *	Intel® UHD Graphics 630	Processor ARK ID	134906
On-board graphics adapter base frequency	350 MHz	Battery	
On-board graphics adapter dynamic frequency (max)	1100 MHz	Number of battery cells	3
Maximum on-board graphics adapter memory	64 GB	Battery capacity (Watt-hours) *	48 Wh
On-board graphics adapter DirectX version	12.0	Power	
On-board graphics adapter OpenGL version	4.5	AC adapter frequency	50 - 60 Hz
On-board graphics adapter ID	0x3E9B	AC adapter input voltage	100 - 240 V
Discrete graphics adapter memory	6 GB	AC adapter output voltage	19.5 V
Discrete graphics memory type	GDDR5	Security	
Audio		Cable lock slot	✓
Number of built-in speakers	2	Cable lock slot type	Kensington
Speaker power	2 W	Weight & dimensions	
Built-in microphone	✓	Width	384 mm
Camera		Depth	262 mm
Front camera	✓	Height	25 mm
Network		Weight *	2.3 kg
Bluetooth	✓	Packaging content	
Wi-Fi	✓	Manual	✓
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Power cord included	✓
Wi-Fi standards	802.11a,Wi-Fi 5 (802.11ac),802.11b,802.11g,Wi-Fi 4 (802.11n)		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth version	4.0		
Ports & interfaces			
USB 2.0 ports quantity *	1		



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