

**ASUS FX553VE-DM158T** **Intel® Core™ i7**  
**i7-7700HQ** **39,6 cm (15.6") Full HD 4 GB 1 TB**  
**NVIDIA® GeForce® GTX 1050 Ti Windows 10 Home**

**Brand :** ASUS

**Product code:** FX553VE-DM158T

**Product name :** FX553VE-DM158T



Design		Keyboard	
Product type *	Laptop	Full-size keyboard	✓
Product colour *	Black	Windows keys	✓
Form factor *	Clamshell		
Display		Software	
Display diagonal *	39.6 cm (15.6")	Operating system installed *	Windows 10 Home
Display resolution *	1920 x 1080 pixels		
Touchscreen *	✗	Processor special features	
HD type	Full HD	Intel® Wireless Display (Intel® WiDi)	✓
LED backlight	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Native aspect ratio	16:9	Intel® Smart Response Technology	✓
Display surface	Matt	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor generation	7th gen Intel® Core™ i7	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor model *	i7-7700HQ	Intel Clear Video Technology	✓
Processor cores	4	Intel® InTru™ 3D Technology	✓
Processor threads	8	Intel® Quick Sync Video Technology	✓
Processor boost frequency	3.8 GHz	Intel Flex Memory Access	✓
Processor frequency *	2.8 GHz	Intel® Smart Cache	✓
System bus rate	8 GT/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache	6 MB	Intel Trusted Execution Technology	✗
Processor cache type	Smart Cache	Intel Enhanced Halt State	✓
Processor lithography	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes	64-bit	Intel® Secure Key	✓
Processor series	Intel Core i7-7700 Mobile Series		
Processor codename	Kaby Lake		
Bus type	DMI3		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel TSX-NI	✗
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configurations	1x16, 1x8, 2x4, 2x8	Intel® OS Guard	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory *	4 GB	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	32 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	1 TB	Processor package size	42 x 28 mm
Storage media *	HDD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	1 TB	Embedded options available	✗
Graphics		Graphics & IMC lithography	14 nm
Discrete graphics card model *	NVIDIA® GeForce® GTX 1050 Ti	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Identity Protection Technology version	1.00
Discrete graphics card *	✓	Intel Smart Response Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 630	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card base frequency	350 MHz	Intel Secure Key Technology version	1.00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Small Business Advantage (SBA) version	1.00
Maximum on-board graphics card memory	64 GB	Intel TSX-NI version	0.00
On-board graphics card DirectX version	12.0	Intel Virtualization Technology (VT-x)	✓
On-board graphics card OpenGL version	4.4	Processor ARK ID	97185
On-board graphics card ID	0x591B	Conflict-Free processor	✓
Audio		Battery	
Built-in microphone	✓	Number of battery cells	4
Camera		Battery capacity *	48 Wh
Front camera	✓	Power	
Network		AC adapter power	120 W
Wi-Fi	✓	AC adapter frequency	50 - 60 Hz
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	AC adapter output current	6.32 A
Ethernet LAN	✓	AC adapter output voltage	19 V
Ethernet LAN data rates	10,100,1000 Mbit/s	DC-in jack	✓
Bluetooth	✓	Weight & dimensions	
Ports & interfaces		Width	383 mm
USB 2.0 ports quantity *	1	Depth	255 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Height	30 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Weight *	2.5 kg
Ethernet LAN (RJ-45) ports	1	Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Manual	✓
Combo headphone/mic port	✓		
Docking connector	✗		
Performance			
Motherboard chipset	Intel® HM175		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✓		

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