

ASUS X509FB-EJ152 Intel® Core™ i5 i5-8265U Laptop 39,6 cm (15.6") Full HD 4 GB 256 GB SSD NVIDIA® GeForce® MX110 Wi-Fi 5 (802.11ac) FreeDOS Silver



Brand : ASUS

Product code: 90NB0N01-M02890

Product name : X509FB-EJ152

- FreeDOS
- Intel Core i5-8265U (6MB Cache, 1.6GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce MX110 (2GB GDDR5)
- 4GB & 256GB SSD

Intel Core i5-8265U (6MB Cache, 1.6GHz), 4GB, 256GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics 620, NVIDIA GeForce MX110 (2GB GDDR5), WLAN, Bluetooth, Webcam, FreeDOS
 ASUS X509FB-EJ152. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-8265U, Processor frequency: 1,6 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 4 GB. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA® GeForce® MX110. Operating system installed: FreeDOS. Product colour: Silver

Design		Ports & interfaces	
Product type *	Laptop	USB 2.0 ports quantity *	2
Product colour *	Silver	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Form factor *	Clamshell	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display		HDMI ports quantity *	1
Display diagonal *	39,6 cm (15.6")	Combo headphone/mic port	✓
Display resolution *	1920 x 1080 pixels	Keyboard	
Touchscreen *	✗	Pointing device	Touchpad
HD type	Full HD	Numeric keypad *	✓
LED backlight	✓	Windows keys	✓
Native aspect ratio	16:9	Software	
Display surface	Matt	Operating system installed *	FreeDOS
Dual-screen	✗	Processor special features	
Maximum refresh rate	60 Hz	Intel® My WiFi Technology (Intel® MWT)	✓
NTSC coverage (typical)	45%	Intel® Smart Response Technology	✓
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor generation	8th gen Intel® Core™ i5	Enhanced Intel SpeedStep Technology	✓
Processor model *	i5-8265U	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	4	Intel Clear Video Technology	✓
Processor threads	8	Intel® Quick Sync Video Technology	✓
Processor boost frequency	3,9 GHz	Intel Flex Memory Access	✓
Processor frequency *	1,6 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	4 GT/s	Intel Trusted Execution Technology	✗
Processor cache	6 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache		
Processor socket	BGA 1528		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Whiskey Lake		
Bus type	OPI		
Thermal Design Power (TDP)	15 W		

Processor		Processor special features	
Configurable TDP-up frequency	1,8 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-up	25 W	Intel® Secure Key	✓
Configurable TDP-down	10 W	Intel TSX-NI	✗
Configurable TDP-down frequency	0,8 GHz	Intel Stable Image Platform Program (SIPP)	✗
Tjunction	100 °C	Intel® OS Guard	✓
Maximum number of PCI Express lanes	16	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express slots version	3.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
PCI Express configurations	1x4, 2x2	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	4 GB	Idle States	✓
Maximum internal memory *	16 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	46x24 mm
Total storage capacity *	256 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	256 GB	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	256 GB	Intel Identity Protection Technology version	1,00
Optical drive type *	✗	Intel Smart Response Technology version	1,00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	0,00
Compatible memory cards	MicroSD (TransFlash)	Intel Secure Key Technology version	1,00
Graphics		Intel TSX-NI version	0,00
Discrete graphics card model *	NVIDIA® GeForce® MX110	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Processor ARK ID	149088
Discrete graphics memory type	GDDR5	Battery	
On-board graphics card *	✓	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card *	✓	Number of battery cells	2
On-board graphics card family	Intel® UHD Graphics	Battery capacity *	32 Wh
On-board graphics card model *	Intel® UHD Graphics	Power	
On-board graphics card base frequency	300 MHz	AC adapter power	65 W
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	32 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	12.0	AC adapter output current	3,42 A
On-board graphics card OpenGL version	4.5	AC adapter output voltage	19 V
On-board graphics card ID	0x3EA0	DC-in jack	✓
Audio		Certificates	
Audio system	SonicMaster	Certification	UL, CE Marking Compliance, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, GOST-R, CB, Energy Star
Number of built-in speakers	2	Sustainability	
Built-in microphone	✓	Sustainability certificates	ENERGY STAR
Camera		Weight & dimensions	
Front camera	✓	Width	360,2 mm
Front camera resolution	640 x 480 pixels	Depth	234,9 mm
Network		Height	22,9 mm
Wi-Fi	✓	Weight *	1,8 kg
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)		
Ethernet LAN	✗		
Bluetooth	✓		
Bluetooth version	4.2		

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