



ASUS TUF Gaming A16 Advantage Edition FA617NS-N3010W AMD Ryzen™ 7 7735HS Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD AMD Radeon RX 7600S Wi-Fi 6 (802.11ax) Windows 11 Home Black, Sand



Brand : ASUS

Product family: TUF Gaming

Product code: 90NR0EP1-M00110

Product name : FA617NS-N3010W

- Windows 11 Home 64-bit
 - AMD Ryzen 7 7735HS (20MB Cache, 3.2GHz)
 - 40.6 cm (16") WUXGA 1920 x 1200, AMD Radeon RX 7600S (8GB GDDR6)
 - 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 512GB SSD
 AMD Ryzen 7 7735HS (20MB Cache, 3.2GHz), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200, AMD Radeon 680M, AMD Radeon RX 7600S (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
 ASUS TUF Gaming A16 Advantage Edition FA617NS-N3010W. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 7, Processor model: 7735HS, Processor frequency: 3.2 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 680M. Operating system installed: Windows 11 Home. Product colour: Black, Sand



Design		Audio	
Colour name	Sandstorm	Number of built-in speakers	2
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black, Sand	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Gaming	Front camera HD type	HD
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display resolution *	1920 x 1200 pixels	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	WUXGA	Antenna type	2x2
LED backlight	✓	Ethernet LAN	✓
Native aspect ratio	16:10	Ethernet LAN data rates	10,100,1000 Mbit/s
Anti-glare screen	✓	Bluetooth	✓
RGB colour space	sRGB	Bluetooth version	5.3
Colour gamut	100%	Ports & interfaces	
Maximum refresh rate	165 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor manufacturer *	AMD	USB 3.2 Gen 2x2 Type-C ports quantity	1
Processor family *	AMD Ryzen™ 7	Ethernet LAN (RJ-45) ports	1
Processor model *	7735HS	HDMI ports quantity *	1
Processor cores	8	HDMI version	2.1
Processor boost frequency	4.75 GHz	Combo headphone/mic port	✓
Processor frequency *	3.2 GHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	20 MB	USB Power Delivery	✓
Processor cache type	L2 & L3	Keyboard	
Memory		Pointing device	Touchpad
Internal memory *	16 GB	Numeric keypad *	✓
Internal memory type	DDR5-SDRAM	Keyboard backlight	✓
Memory clock speed	4800 MHz		
Memory form factor	SO-DIMM		
Memory layout (slots x size)	2 x 8 GB		
Memory slots	2x SO-DIMM		

Memory		Software	
Maximum internal memory *	32 GB	Operating system architecture	64-bit
Storage		Trial software	Xbox Game Pass Ultimate 3 months
Total storage capacity *	512 GB	Operating system installed *	Windows 11 Home
Storage media *	SSD	Battery	
Total SSDs capacity	512 GB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Number of battery cells	4
SSD capacity	512 GB	Battery capacity *	90 Wh
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	240 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Card reader integrated	✗	AC adapter output current	12 A
Graphics		AC adapter output voltage	20 V
Discrete GPU manufacturer	AMD	Security	
Discrete graphics card model *	AMD Radeon RX 7600S	Cable lock slot	✓
Discrete graphics card memory	8 GB	Cable lock slot type	Kensington
Discrete graphics memory type	GDDR6	Password protection	✓
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	AMD	Width	355 mm
Discrete graphics card *	✓	Depth	252 mm
On-board graphics card model *	AMD Radeon 680M	Height (front)	2.21 cm
Audio		Height (rear)	2.68 cm
Audio system	Dolby Atmos	Weight *	2.2 kg



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