

# Defender P50 Intel® Core™ i7 i7-12650H Laptop 43.9 cm (17.3") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Black



**Brand :** Erazer

**Product family:** ERAZER

**Product code:** 30036572

**Product name :** Defender P50

- Windows 11 Home  
- Intel Core i7-12650H (24MB Cache)  
- 43.9 cm (17.3") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)  
- 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 512GB SSD  
Intel Core i7-12650H (24MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home  
Defender P50. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12650H. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4060. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	Black	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel® UHD Graphics
Housing material	Plastic	On-board graphics card model *	Intel® UHD Graphics
Market positioning	Gaming	<b>Audio</b>	
<b>Display</b>		Audio system	Sound Blaster Cinema 6+
Display diagonal *	43.9 cm (17.3")	Number of built-in speakers	2
Display resolution *	1920 x 1080 pixels	Built-in microphone	✓
Touchscreen *	✗	<b>Camera</b>	
HD type	Full HD	Front camera	✓
Panel type	IPS	Front camera resolution	1280 x 720 pixels
LED backlight	✓	Front camera HD type	HD
Display brightness	300 cd/m <sup>2</sup>	<b>Network</b>	
Maximum refresh rate	144 Hz	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
<b>Processor</b>		Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Processor manufacturer *	Intel	Mobile network connection *	✗
Processor family *	Intel® Core™ i7	Ethernet LAN	✓
Processor generation	12th gen Intel® Core™ i7	Ethernet LAN data rates	1000 Mbit/s
Processor model *	i7-12650H	Bluetooth	✓
Processor cores	10	Bluetooth version	5.1
Processor boost frequency	4.7 GHz	<b>Ports &amp; interfaces</b>	
Performance cores	6	USB 2.0 ports quantity *	1
Efficient cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance-core Max Turbo Frequency	4.7 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Efficient-core Max Turbo Frequency	3.5 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	24 MB	HDMI ports quantity *	1
Processor cache type	Smart Cache	Mini DisplayPorts quantity	1
Processor base power	45 W	Headphone outputs	1
Maximum turbo power	115 W	<b>Keyboard</b>	
<b>Memory</b>		Pointing device	Touchpad
Internal memory *	16 GB	Keyboard layout	QWERTY
Internal memory type	DDR4-SDRAM		
Memory clock speed	3200 MHz		
Memory layout (slots x size)	2 x 8 GB		

Memory		Keyboard	
Memory slots	2x SO-DIMM	Keyboard language	US English
Maximum internal memory *	32 GB	Numeric keypad *	✓
Storage		Keyboard backlit	✓
Total storage capacity *	512 GB	Keyboard backlit colour	RGB
Storage media *	SSD	Software	
Total SSDs capacity	512 GB	Operating system installed *	Windows 11 Home
Number of SSDs installed	1	Battery	
SSD capacity	512 GB	Battery technology	Lithium-Ion (Li-Ion)
SSD interface	PCI Express 4.0	Number of battery cells	4
NVMe	✓	Battery capacity *	54 Wh
SSD form factor	M.2	Battery life (max)	4.5 h
Optical drive type *	✗	Security	
Card reader integrated	✓	Cable lock slot	✓
Compatible memory cards	MicroSD (TransFlash)	Cable lock slot type	Kensington
Graphics		Fingerprint reader	✗
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Trusted Platform Module (TPM) version	2.0
Discrete graphics card memory	8 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	397 mm
On-board graphics card *	✓	Depth	265 mm
		Height	26 mm
		Weight *	2.57 kg



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