



**MSI Pulse 15 B13VGK-287US Intel® Core™ i9 i9-13900H**  
**Computadora portátil 39.6 cm (15.6") Quad HD 32 GB DDR5-**  
**SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6 (802.11ax)**  
**Windows 11 Home Gris**

Marca : MSI

Familia de productos: Pulse

Código del producto: PULSE  
15 B13VGK-287US

Nombre del producto : 15  
B13VGK-287US

MSI Pulse 15 B13VGK-287US. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i9, Modelo del procesador: i9-13900H. Diagonal de la pantalla: 39.6 cm (15.6"), Tipo HD: Quad HD, Resolución de la pantalla: 2560 x 1440 Píxeles. Memoria interna: 32 GB, Tipo de memoria interna: DDR5-SDRAM. Capacidad total de almacenaje: 1 TB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel Iris Xe Graphics, Modelo de adaptador de gráficos discretos: NVIDIA GeForce RTX 4070. Sistema operativo instalado: Windows 11 Home. Color del producto: Gris



Design		Camera	
Colour name	Titanium Gray	Front camera	✓
Product type *	Laptop	Front camera HD type	HD
Product colour *	Grey	Video capturing speed	30 fps
Form factor *	Clamshell	Network	
Market positioning	Gaming	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display diagonal *	39.6 cm (15.6")	Mobile network connection *	✗
Display resolution *	2560 x 1440 pixels	Ethernet LAN	✓
Touchscreen *	✗	Ethernet LAN data rates	10,100,1000 Mbit/s
HD type	Quad HD	Bluetooth	✓
Native aspect ratio	16:9	Bluetooth version	5.2
Maximum refresh rate	240 Hz	Ports & interfaces	
Processor		USB 2.0 ports quantity *	1
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor family *	Intel® Core™ i9	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor generation	13th gen Intel® Core™ i9	Ethernet LAN (RJ-45) ports	1
Processor model *	i9-13900H	HDMI ports quantity *	1
Processor cores	14	Combo headphone/mic port	✓
Processor boost frequency	5.4 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core boost frequency	4.1 GHz	Keyboard	
Processor cache	24 MB	Pointing device	Touchpad
Processor cache type	Smart Cache	Numeric keypad *	✓
Configurable TDP-down	35 W	Keyboard backlit	✓
Processor base power	45 W	Keyboard backlit colour	RGB
Maximum turbo power	115 W	Keyboard backlit zone	4-zone RGB
Memory		Software	
Internal memory *	32 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM		
Memory clock speed	5200 MHz		
Memory form factor	SO-DIMM		
Maximum internal memory *	64 GB		

Storage		Processor special features	
Total storage capacity *	1 TB	Intel Flex Memory Access	✓
Storage media *	SSD	Intel Trusted Execution Technology	✓
Total SSDs capacity	1 TB	Intel VT-x with Extended Page Tables (EPT)	✓
Number of SSDs installed	1	Intel Stable Image Platform Program (SIPP)	✓
SSD capacity	1 TB	Execute Disable Bit	✓
SSD interface	PCI Express 4.0	CPU configuration (max)	1
NVMe	✓	Embedded options available	✗
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete GPU manufacturer	NVIDIA	Battery	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Number of battery cells	4
Discrete graphics card memory	8 GB	Battery capacity *	90 Wh
Discrete graphics memory type	GDDR6	Power	
On-board graphics card *	✓	AC adapter power	240 W
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card model *	Intel Iris Xe Graphics	Width	359 mm
Audio		Depth	259 mm
Audio system	NAHIMIC 3	Height	26.9 mm
Number of built-in speakers	2	Weight *	2.3 kg
Speaker power	2 W		



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Publication date: 14-APR-2025. Prints or copies of Information are only valid on the printed Publication date