



**MSI PRO DP21 13M-090BEU PC/workstation barebone 2,3L maat
pc Zwart i7-13700 Intel H610 5,2 GHz**

Merk : MSI

Artikelcode: PRO DP21 13M-090BEU

Productnaam : PRO DP21 13M-090BEU

MSI PRO DP21 13M-090BEU. Type behuizing: 2,3L maat pc, Type product: Mini PC barebone. Chipset moederbord: Intel H610. Aantal geheugenslots: 2, Maximum intern geheugen: 64 GB. Ondersteunde types opslag-drives: HDD & SSD, Opslag schijf-interface: M.2, SATA III. Aantal Ethernet LAN (RJ-45)-poorten: 1. Wi-Fi-standaarden: Wi-Fi 6E (802.11ax), Bluetooth-versie: 5.3. Type koeling: Actief. Netvoeding: 120 W



Processor		Ports & interfaces	
Processor manufacturer	Intel	HDMI ports quantity *	1
Processor family	Intel® Core™ i7	HDMI version	2.0
Processor generation	13th gen Intel® Core™ i7	DVI port	✗
Processor model	i7-13700	DisplayPorts quantity	1
Processor cores	16	DisplayPort version	1.4
Processor threads	24	Microphone in	✓
Processor boost frequency	5.2 GHz	Headphone outputs	1
Processor frequency	5.2 GHz	Ethernet LAN (RJ-45) ports *	1
Performance cores	8	COM ports quantity	1
Efficient cores	8	DC-in jack	✓
Built-in processor *	✓	Design	
Processor lithography	10 nm	Chassis type *	2.3L sized PC
Performance-core boost frequency	5.1 GHz	Product colour *	Black
Efficient-core boost frequency	4.1 GHz	Cooling type *	Active
Processor cache	30 MB	On/off switch	✓
L2 cache	24 MB	VESA mounting	✓
Memory		Panel mounting interface	100 x 100 mm
Memory slots type *	SO-DIMM	Product type *	Mini PC barebone
Number of memory slots *	2	Performance	
Maximum internal memory	64 GB	Motherboard form factor	mini ITX
Supported memory clock speeds	2666,3200 MHz	Motherboard chipset	Intel H610
Memory channels	Dual-channel	Number of processors supported	1
Storage		Compatible processor series	Intel Core i7 13th Gen
Supported storage drive types *	HDD & SSD	Trusted Platform Module (TPM)	✓
Storage drive sizes supported *	2.5,M.2	Certificates	
SSD form factor	M.2	Certification	FCC(Class B), CB/CE, UL(CUL), BSMI
Storage drive interface	M.2, Serial ATA III	Software	
NVMe	✓	Operating system installed	✗
Number of storage drives supported	3	Power	
Graphics		Power supply type *	External AC adapter
On-board graphics card *	✓		
Graphics card family	Intel		

Graphics		Power	
On-board graphics card model	Intel® UHD Graphics	Power supply	120 W
Number of displays supported	3	Number of power supply units	1
Audio		Operational conditions	
Built-in speaker(s) *	✗	Operating temperature (T-T)	0 - 35 °C
Network		Storage temperature (T-T)	-20 - 60 °C
		Operating relative humidity (H-H)	0 - 85%
		Storage relative humidity (H-H)	0 - 90%
		Weight & dimensions	
		Width	204 mm
		Depth	208 mm
		Height	54.8 mm
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Weight	1.27 kg
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Package width	275 mm
WLAN controller model	Intel Wi-Fi 6E AX211	Package depth	382 mm
Ethernet LAN *	✓	Package height	125 mm
Wi-Fi *	✓	Package weight	2.75 kg
LAN controller	Realtek RTL8111H	Packaging content	
Bluetooth	✓	Power cord included	✓
Bluetooth version	5.3	AC adapter included	✓
Ports & interfaces		Quick start guide	✓
USB 2.0 ports quantity *	4	Drivers included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Display included	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1	Mouse included	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Keyboard included	✗
		Other features	
		Warranty period	2 year(s)



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