



MSI PRO DP21 14M Intel Core 7 14700 (14th Gen Desktop CPU), Barebone, DP21 14M, SFF, Mini Computer, HTPC, (NO RAM, NO Storage, NO OS), Intel Graphics/DDR5/HDMI/LAN/WiFi 6E/BT 5.3 - PRO DP21 14M i7 14700 BB

Brand : MSI

Product code: PRO DP21 14M i7 14700 BB

Product name : MSI PRO DP21 14M Intel Core 7 14700 (14th Gen Desktop CPU), Barebone, DP21 14M, SFF, Mini Computer, HTPC, (NO RAM, NO Storage, NO OS), Intel Graphics/DDR5/HDMI/LAN/WiFi 6E/BT 5.3 - PRO DP21 14M i7 14700 BB

- INTEL 14TH GEN CORE i7 PC - DP21 14M is a compact (2.3L) mini PC featuring an Intel 14th Gen. Core i7-14700 processor with 20-core / 28-thread architecture (2.1GHz base frequency, 5.4GHz max. turbo); Windows 11 Pro software pre-installed
 - UHD GRAPHICS - supports 4K display at up to 60Hz - ideal for watching hi-res movies; The rear I/O includes HDMI 2.0 & DP 1.4 ports for dual monitor setups
 - supports up to 2 x 2.5" HDD/SSD & 1 x M.2 with auto switch
 - The dTPM2.0 (Trusted Platform Module 2.0) technology provides security for storing sensitive data & passwords. A server-grade thermal module distributes the cooling of different components within the system
 - MSI Power Meter & MSI AI Engine - Power Meter enables one-click power saving, carbon emission calculation & electricity cost estimation
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Processor		Design	
Processor manufacturer	Intel	VESA mounting	✓
Processor family	Intel® Core™ i7	Panel mounting interface	75 x 75,100 x 100 mm
Processor model	i7-14700	Product type *	Mini PC barebone
Processor cores	20	Processor special features	
Processor threads	16	Intel® vPro™ Platform Eligibility	✗
Processor boost frequency	5.4 GHz	Intel On-Demand Power Redundancy Technology	✗
Processor frequency	5.4 GHz	Intel® High Definition Audio (Intel® HD Audio)	✓
Performance cores	8	Embedded options available	✗
Efficient cores	12	Intel Dual Display Capable Technology	✓
Performance-core Max Turbo Frequency	5.4 GHz	Intel® Virtualization Technology (Intel® VT)	✓
Efficient-core Max Turbo Frequency	4.3 GHz	Intel Rapid Storage Technology	✓
Performance-core base frequency	2.1 GHz	Intel® Anti-Theft Technology (Intel® AT)	✗
Built-in processor *	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache	33 MB	Intel® Quick Sync Video Technology	✓
L3 cache	33 MB	Intel® InTru™ 3D Technology	✗
Thermal Design Power (TDP)	65 W	Intel® Insider™	✗
ECC supported by processor	✗	Intel® Wireless Display (Intel® WiDi)	✗
Memory		Intel FDI Technology	✗
Internal memory installed *	✗	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory slots type *	SO-DIMM	Intel® Turbo Boost Technology	✓
Number of memory slots *	2		
Maximum internal memory	64 GB		
Supported memory clock speeds	5600 MHz		
Supported memory types	DDR5-SDRAM		
Memory channels	Dual-channel		
ECC	✗		
Non-ECC	✓		

Storage		Processor special features	
Storage drives installed *	✗	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Supported storage drive types *	HDD & SSD	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage drive sizes supported *	M.2,2.5	Intel VT-x with Extended Page Tables (EPT)	✓
Card reader integrated	✗	Intel 64	✓
Graphics		Intel® My WiFi Technology (Intel® MWT)	✗
On-board graphics card *	✓	Idle States	✓
Graphics card family	Intel	Enhanced Intel SpeedStep Technology	✓
On-board graphics card model	Intel UHD Graphics 770	Intel Demand Based Switching	✗
Maximum resolution	4096 x 2160 pixels	Thermal Monitoring Technologies	✓
Number of displays supported	3	Intel Fast Memory Access	✗
Performance		Intel Flex Memory Access	✓
Motherboard form factor	mini ITX	Intel® Identity Protection Technology (Intel® IPT)	✓
Motherboard chipset	Intel H610	Intel Trusted Execution Technology	✗
Processor socket	LGA 1700	Execute Disable Bit	✓
Number of processors supported	1	Intel® Smart Cache	✓
Compatible processor series	Intel Core i7 14th Gen	Intel Visual BIOS	✗
Supported processor frequency (max)	5.4 GHz	Intel Express BIOS update	✗
BIOS type	UEFI	Intel TSX-NI	✗
BIOS memory size	256 Mbit	Intel® Matrix Storage Technology (Intel® MST)	✗
ACPI version	6.3	Intel Smart Connect Technology	✗
Trusted Platform Module (TPM)	✓	Intel® Small Business Advantage (Intel® SBA)	✗
Trusted Platform Module (TPM) version	2.0	Intel® Secure Key	✓
Audio output channels	7.1 channels	Intel® Smart Response Technology	✗
Audio chip	Realtek ALC897	Intel Stable Image Platform Program (SIPP)	✗
Consumer infrared Rx sensor	✗	Intel® OS Guard	✓
Display		Conflict-Free	✓
Touchscreen	✗	Intel® Rapid Start Technology	✗
Audio		Intel Advanced Management Technology	✗
Built-in speaker(s) *	✗	Intel Clear Video Technology	✓
Network		Intel® Unite™	✗
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Intel Unite installed	✗
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Intel® Optane™ Memory Ready	✓
WLAN controller model	Intel Wi-Fi 6E AX211	Intel® Platform Trust Technology (Intel® PTT)	✓
Ethernet LAN *	✓	Intel Virtualization Technology (VT-x)	✓
Copper ethernet cabling technology	10BASE-TX, 100BASE-TX, 1000BASE-TX	Technical details	
Wi-Fi *	✓	Compliance certificates	BSMI, CB, CE, Federal Communications Commission (FCC), UL
LAN controller	Realtek RTL8111H	Certificates	
Bluetooth	✓	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
Bluetooth version	5.3	Software	
Near Field Communication (NFC)	✗	Windows operating systems supported	✗
Bluetooth Low Energy (BLE)	✓	Power	
Ports & interfaces		Power supply type *	External AC adapter
USB 2.0 ports quantity *	4	Power supply	120 W
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1		
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	1		
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1		
Internal USB 2.0 ports quantity	4		
Internal USB 3.2 Gen 1 (3.1 Gen 1) ports quantity	2		
HDMI ports quantity *	1		

Ports & interfaces		Power	
HDMI version	2.1	Number of power supply units	1
DVI port	✗	AC input voltage	100 - 240 V
DisplayPorts quantity	1	AC input frequency	50/60 Hz
DisplayPort version	1.4	Operational conditions	
Microphone in	✓	Operating temperature (T-T)	0 - 40 °C
Headphone outputs	1	Storage temperature (T-T)	-20 - 60 °C
Combo headphone/mic port	✗	Operating relative humidity (H-H)	10 - 90%
Ethernet LAN (RJ-45) ports *	1	Weight & dimensions	
S/PDIF out port	✗	Width	204 mm
Consumer infrared headers	✗	Depth	208 mm
Serial port via internal header	✗	Height	54.8 mm
USB charging	✓	Weight	1.27 kg
TV-out	✗	Package width	271 mm
DC-in jack	✗	Package depth	382 mm
Expansion slots		Package height	122 mm
PCI Express slots version	4.0	Package weight	2.8 kg
PCI Express x1 slots	1	Packaging content	
Number of M.2 (M) slots	2	Power cord included	✓
Design		AC adapter included	✓
Chassis type *	2.3L sized PC	Quick start guide	✓
Product colour *	Black	Drivers included	✓
Cooling type *	Active	Display included	✗
On/off switch	✓	Mouse included	✗
LED indicators	✓	Keyboard included	✗
Housing material	Metal, Plastic	Other features	
Cable lock slot	✓	Country of origin	China
Cable lock slot type	Kensington	Introduction month	June
		Introduction year	2025
		Warranty period	3 year(s)



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Catalog Object Cloud



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