



MSI PRO DP21 14M Intel Core 7 14700, Barebone, DP21 14M, SFF, Mini Computer, HTPC, (NO RAM, NO Storage, NO OS), Intel Graphics/DDR5/Dual HDMI/Dual LAN/WiFi 6E/BT 5.3

Brand : MSI

Product code: PRO DP21 14M i7 14700 BB

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

- 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		Processor special features	
Processor manufacturer	Intel	Intel® vPro™ Platform Eligibility	✗
Processor family	Intel® Core™ i7	Intel On-Demand Power Redundancy Technology	✗
Processor cores	20	Intel® High Definition Audio (Intel® HD Audio)	✓
Processor threads	16	Embedded options available	✗
Processor boost frequency	5.4 GHz	Intel Dual Display Capable Technology	✓
Processor frequency	2.1 GHz	Intel® Virtualization Technology (Intel® VT)	✓
Performance cores	8	Intel Rapid Storage Technology	✓
Efficient cores	12	Intel® Anti-Theft Technology (Intel® AT)	✗
Performance-core Max Turbo Frequency	5.4 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Efficient-core Max Turbo Frequency	4.3 GHz	Intel® Quick Sync Video Technology	✓
Performance-core base frequency	2.1 GHz	Intel® InTru™ 3D Technology	✗
Built-in processor *	✓	Intel® Insider™	✗
Processor cache	33 MB	Intel® Wireless Display (Intel® WiDi)	✗
L3 cache	33 MB	Intel FDI Technology	✗
Thermal Design Power (TDP)	65 W	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
ECC supported by processor	✗	Intel® Turbo Boost Technology	✓
Memory		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Maximum internal memory	64 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Supported memory clock speeds	5600 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Supported memory types	DDR5-SDRAM		
Memory channels	Dual-channel		
ECC	✗		
Non-ECC	✓		
Storage			
Card reader integrated	✗		

Graphics		Processor special features	
On-board graphics card *	✓	Intel 64	✓
Graphics card family	Intel	Intel® My WiFi Technology (Intel® MWT)	✗
On-board graphics card model	Intel UHD Graphics 770	Idle States	✓
Maximum resolution	4096 x 2160 pixels	Enhanced Intel SpeedStep Technology	✓
Number of displays supported	3	Intel Demand Based Switching	✗
Display		Thermal Monitoring Technologies	✓
Touchscreen	✗	Intel Fast Memory Access	✗
Audio		Intel Flex Memory Access	✓
Built-in speaker(s) *	✗	Intel® Identity Protection Technology (Intel® IPT)	✓
Network		Intel Trusted Execution Technology	✗
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Execute Disable Bit	✓
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Intel® Smart Cache	✓
WLAN controller model	Intel Wi-Fi 6E AX211	Intel Visual BIOS	✗
Ethernet LAN *	✓	Intel Express BIOS update	✗
Copper ethernet cabling technology	10BASE-TX, 100BASE-TX, 1000BASE-TX	Intel TSX-NI	✗
Wi-Fi *	✓	Intel® Matrix Storage Technology (Intel® MST)	✗
LAN controller	Realtek RTL8111H	Intel Smart Connect Technology	✗
Bluetooth	✓	Intel® Small Business Advantage (Intel® SBA)	✗
Bluetooth version	5.3	Intel® Secure Key	✓
Near Field Communication (NFC)	✗	Intel® Smart Response Technology	✗
Bluetooth Low Energy (BLE)	✓	Intel Stable Image Platform Program (SIPP)	✗
Ports & interfaces		Intel® OS Guard	✓
USB 2.0 ports quantity *	4	Conflict-Free	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Intel® Rapid Start Technology	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity	1	Intel Advanced Management Technology	✗
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1	Intel Clear Video Technology	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Intel® Unite™	✗
Internal USB 2.0 ports quantity	4	Intel Unite installed	✗
Internal USB 3.2 Gen 1 (3.1 Gen 1) ports quantity	2	Intel® Optane™ Memory Ready	✓
HDMI ports quantity *	1	Intel® Platform Trust Technology (Intel® PTT)	✓
HDMI version	2.1	Intel Virtualization Technology (VT-x)	✓
DVI port	✗	Technical details	
DisplayPorts quantity	1	Compliance certificates	BSMI, CB, CE, Federal Communications Commission (FCC), UL
DisplayPort version	1.4	Certificates	
Microphone in	✓	Waste Electrical and Electronic Equipment (WEEE) compliance	✓
Headphone outputs	1	Software	
Combo headphone/mic port	✗	Windows operating systems supported	✗
Ethernet LAN (RJ-45) ports *	1	Power	
S/PDIF out port	✗	Power supply type *	External AC adapter
Consumer infrared headers	✗	Power supply	120 W
Serial port via internal header	✗	Number of power supply units	1
USB charging	✓	AC input voltage	100 - 240 V
TV-out	✗	AC input frequency	50/60 Hz
DC-in jack	✗	Operational conditions	
Expansion slots		Operating temperature (T-T)	0 - 40 °C
PCI Express slots version	4.0		
PCI Express x1 slots	1		
PCI Express x16 slots	1		
Number of M.2 (M) slots	2		
Design			
Chassis type *	Mini-Tower		

Design		Operational conditions	
Product colour *	Black	Storage temperature (T-T)	-20 - 60 °C
Cooling type *	Active	Operating relative humidity (H-H)	10 - 90%
On/off switch	✓	Weight & dimensions	
LED indicators	✓	Width	204 mm
Housing material	Metal, Plastic	Depth	208 mm
Cable lock slot	✓	Height	54.8 mm
Cable lock slot type	Kensington	Weight	1.27 kg
Product type *	Mini PC barebone	Package width	271 mm
Performance		Package depth	382 mm
Motherboard form factor	micro ATX	Package height	122 mm
Motherboard chipset	Intel H610	Package weight	2.8 kg
Processor socket	LGA 1700	Packaging content	
Number of processors supported	1	Power cord included	✓
Compatible processor series	Intel Core i7 14th Gen	AC adapter included	✓
Supported processor frequency (max)	5.4 GHz	Quick start guide	✓
BIOS type	UEFI	Drivers included	✓
BIOS memory size	256 Mbit	Display included	✗
ACPI version	6.3	Mouse included	✗
Trusted Platform Module (TPM)	✓	Keyboard included	✗
Trusted Platform Module (TPM) version	2.0	Other features	
Audio output channels	7.1 channels	Country of origin	China
Audio chip	Realtek ALC897	Introduction month	June
Consumer infrared Rx sensor	✗	Introduction year	2025
		Warranty period	3 year(s)



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