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MSI PRO DP21 14M Intel Core 5 14400, 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 I5 14400 BB

Product name : MSI PRO DP21 14M Intel Core 5 14400, 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 i5 PC - DP21 14M is a compact (2.3L) mini PC featuring an Intel 14th Gen. Core i5-14400 processor with 10-core / 16-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
- VESA MOUNTABLE - 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™ i5		Intel On-Demand Power Redundancy Technology	✘
Processor cores	10			
Processor threads	16		Intel® High Definition Audio (Intel® HD Audio)	✔
Processor boost frequency	4.7 GHz			
Processor frequency	2.5 GHz		Embedded options available	✘
Performance cores	6		Intel Dual Display Capable Technology	✔
Efficient cores	4			
Performance-core Max Turbo Frequency	4.7 GHz		Intel® Virtualization Technology (Intel® VT)	✔
Efficient-core Max Turbo Frequency	3.5 GHz		Intel Rapid Storage Technology	✔
Performance-core base frequency	2.5 GHz		Intel® Anti-Theft Technology (Intel® AT)	✘
Efficient-core base frequency	1.8 GHz			
Built-in processor *	✔		Intel® AES New Instructions (Intel® AES-NI)	✔
Processor lithography	10 nm			
Processor cache	20 MB		Intel® Quick Sync Video Technology	✔
L2 cache	9.5 MB		Intel® InTru™ 3D Technology	✘
L3 cache	20 MB		Intel® Insider™	✘
Thermal Design Power (TDP)	65 W		Intel® Wireless Display (Intel® WiDi)	✘
ECC supported by processor	✔			
Memory			Intel FDI Technology	✘
Maximum internal memory	64 GB		Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Supported memory clock speeds	5600 MHz		Intel® Turbo Boost Technology	✔
Memory channels	Dual-channel		Intel® Hyper Threading Technology (Intel® HT Technology)	✔
ECC	✘			
Non-ECC	✔		Intel Virtualization Technology for Directed I/O (VT-d)	✔
Storage			Intel VT-x with Extended Page Tables (EPT)	✔
Card reader integrated	✘			

Graphics

On-board graphics card *	✔
Graphics card family	Intel
On-board graphics card model	Intel UHD Graphics 770
Maximum resolution	4096 x 2160 pixels
Number of displays supported	3

Display

Touchscreen	✘

Audio

Built-in speaker(s) *	✘

Network

Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
WLAN controller model	Intel Wi-Fi 6E AX211
Ethernet LAN *	✔
Copper ethernet cabling technology	10BASE-TX, 100BASE-TX, 1000BASE-TX
Wi-Fi *	✔
LAN controller	Realtek RTL8111H
Bluetooth	✔
Bluetooth version	5.3
Near Field Communication (NFC)	✘
Bluetooth Low Energy (BLE)	✔

Ports & interfaces

USB 2.0 ports quantity *	4
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
HDMI version	2.1
DVI port	✘
DisplayPorts quantity	1
DisplayPort version	1.4
Microphone in	✔
Headphone outputs	1
Combo headphone/mic port	✘
Ethernet LAN (RJ-45) ports *	1
S/PDIF out port	✘
Consumer infrared headers	✘
Serial port via internal header	✘
USB charging	✔
TV-out	✘
DC-in jack	✘

Expansion slots

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

Processor special features

Intel 64	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Idle States	✔
Enhanced Intel SpeedStep Technology	✔
Intel Demand Based Switching	✘
Thermal Monitoring Technologies	✔
Intel Fast Memory Access	✘
Intel Flex Memory Access	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel Trusted Execution Technology	✘
Execute Disable Bit	✔
Intel® Smart Cache	✔
Intel Visual BIOS	✘
Intel Express BIOS update	✘
Intel TSX-NI	✘
Intel® Matrix Storage Technology (Intel® MST)	✘
Intel Smart Connect Technology	✘
Intel® Small Business Advantage (Intel® SBA)	✘
Intel® Secure Key	✔
Intel® Smart Response Technology	✘
Intel Stable Image Platform Program (SIPP)	✘
Intel® OS Guard	✔
Conflict-Free	✔
Intel® Rapid Start Technology	✘
Intel Advanced Management Technology	✘
Intel Clear Video Technology	✔
Intel® Unite™	✘
Intel Unite installed	✘
Intel® Optane™ Memory Ready	✔
Intel® Platform Trust Technology (Intel® PTT)	✔
Intel Virtualization Technology (VT-x)	✔

Technical details

Compliance certificates	BSMI, CB, CE, Federal Communications Commission (FCC)

Certificates

Waste Electrical and Electronic Equipment (WEEE) compliance	✔

Software

Windows operating systems supported	✘

Power

Power supply type *	External AC adapter
Power supply	120 W
Number of power supply units	1
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C

Design

Product colour *	Black
Cooling type *	Active
On/off switch	✔
LED indicators	✔
Housing material	Metal, Plastic
Cable lock slot	✔
Cable lock slot type	Kensington
Product type *	Mini PC barebone

Performance

Motherboard form factor	micro ATX
Motherboard chipset	Intel H610
Processor socket	LGA 1700
Number of processors supported	1
Compatible processor series	Intel Core i5 14th Gen
Supported processor frequency (max)	4.7 GHz
BIOS type	UEFI
BIOS memory size	256 Mbit
ACPI version	6.3
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Audio output channels	7.1 channels
Audio chip	Realtek ALC897
Consumer infrared Rx sensor	✘

Operational conditions

Operating relative humidity (H-H)	10 - 90%

Weight & dimensions

Width	204 mm
Depth	280 mm
Height	54.8 mm
Weight	1.27 kg
Package width	271 mm
Package depth	382 mm
Package height	122 mm
Package weight	2.8 kg

Packaging content

Power cord included	✔
AC adapter included	✔
Quick start guide	✔
Drivers included	✔
Display included	✘
Mouse included	✘
Keyboard included	✘

Other features

Country of origin	China
Introduction month	June
Introduction year	2025
Warranty period	3 year(s)

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