



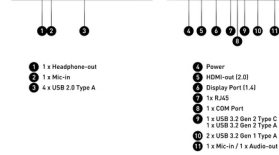
**MSI PRO DP21 12M Intel Core i7 12700 Barebone, Mini PC, SFF, 2.3L, Type C, USB 3.2 Gen2, HDMI, DisplayPort, LAN, WiFi, BT, VESA, Supports Max 64GB DDR4 SO-DIMM (2 Slots), M.2 (1 Slot), 2.5'SSD/HDD (2 Slot)**



**Brand :** MSI

**Product code:** PRO DP21 12M I7 12700 BB

**Product name :** MSI PRO DP21 12M Intel Core i7 12700 Barebone, Mini PC, SFF, 2.3L, Type C, USB 3.2 Gen2, HDMI, DisplayPort, LAN, WiFi, BT, VESA, Supports Max 64GB DDR4 SO-DIMM (2 Slots), M.2 (1 Slot), 2.5'SSD/HDD (2 Slot)



- MSI recommends Windows 11 Pro for business
- Up to Intel® Core™ i7-12700 Processors
- Support 4K UHD Display
- Wi-Fi 6 (Optional) puts more emphasis on transmission security with speed up to 2.4Gbps
- With a complete array of I/O ports, it can connect all devices that you need and support dual display
- Get all the performance benefits from USB 3.2 Gen 2 which combines with the convenience of the reversible USB Type-C connector and a fast USB 3.2 Gen 2 Type-A port
- Customize your own user mode and increase the efficiency with MSI Center app
- Easy to access and upgrade components to keep the system up to date with the latest hardware
- TPM design secures your confidential data with encryption keys
- Supports standard VESA-mount

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Processor		Ports & interfaces	
Processor manufacturer	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor family	Intel® Core™ i7	HDMI ports quantity *	1
Processor generation	12th gen Intel® Core™ i7	HDMI version	2.0
Processor model	i7-12700	DVI port	✗
Processor cores	12	DisplayPorts quantity	1
Processor threads	20	DisplayPort version	1.4
Processor boost frequency	4.8 GHz	Microphone in	✓
Processor frequency	2.1 GHz	Headphone outputs	1
Performance cores	8	Ethernet LAN (RJ-45) ports *	1
Efficient cores	4	COM ports quantity	1
Built-in processor *	✓	DC-in jack	✓
Processor lithography	10 nm	Design	
Performance-core boost frequency	4.9 GHz	Chassis type *	2.3L sized PC
Efficient-core boost frequency	3.6 GHz	Product colour *	Black
Processor cache	25 MB	Cooling type *	Active
L2 cache	12 MB	On/off switch	✓
Memory		LED indicators	System
Memory slots type *	SO-DIMM	Housing material	Plastic
Number of memory slots *	2	Cable lock slot	✓
Maximum internal memory	64 GB	Cable lock slot type	Kensington
Supported memory clock speeds	2666,3200 MHz	VESA mounting	✓
Memory channels	Dual-channel	Panel mounting interface	100 x 100 mm
Storage		Product type *	Mini PC barebone
Supported storage drive types *	HDD & SSD	Performance	
Storage drive sizes supported *	2.5,M.2	Motherboard form factor	mini ITX
SSD form factor	M.2	Motherboard chipset	Intel H610
Storage drive interface	M.2, Serial ATA, Serial ATA II	Processor socket	LGA 1700
NVMe	✓		

<b>Storage</b>		<b>Performance</b>	
Number of storage drives supported	3	Number of processors supported	1
<b>Graphics</b>		Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	<b>Software</b>	
Graphics card family	Intel	Operating system installed	✗
On-board graphics card model	Intel® UHD Graphics	<b>Power</b>	
Number of displays supported	2	Power supply type *	External AC adapter
<b>Audio</b>		Power supply	120 W
Built-in speaker(s) *	✗	Number of power supply units	1
<b>Network</b>		<b>Weight &amp; dimensions</b>	
Top Wi-Fi standard	Wi-Fi 6 (802.11ax)	Width	204 mm
Wi-Fi standards	Wi-Fi 6 (802.11ax)	Depth	208 mm
WLAN controller model	Intel Wi-Fi 6 AX201	Height	54.8 mm
Ethernet LAN *	✓	Weight	1.27 kg
Wi-Fi *	✓	Package width	275 mm
LAN controller	Realtek RTL8111H	Package depth	382 mm
Bluetooth	✓	Package height	125 mm
Bluetooth version	5.2	Package weight	2.75 kg
<b>Ports &amp; interfaces</b>		<b>Packaging content</b>	
USB 2.0 ports quantity *	4	Power cord included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	AC adapter included	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1	Quick start guide	✓
		Drivers included	✓
		Display included	✗
		Mouse included	✗
		Keyboard included	✗
		<b>Other features</b>	
		Country of origin	China



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