



HP 290 G4 Intel® Core™ i7 i7-10700 8 GB DDR4-SDRAM 256 GB SSD FreeDOS Micro Tower PC Black

Brand : HP

Product code: 123P6EA

Product name : 290 G4

- Intel® Core™ i7-10700 (2.9 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores)
 - FreeDOS
 - Intel® HD Graphics 630
 - 8 GB memory; 256 GB SSD storage
 290 G4 Microtower PC Bundle, FreeDOS, Intel® Core™ i7, 8GB RAM, 256GB SSD

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Maximize your investment

Take on your everyday work at an affordable price with the HP 290 MT. Get the reliable computing power you need while minimizing the total cost of ownership—now that's a smart investment.
 HP 290 G4. Processor frequency: 2.9 GHz, Processor family: Intel® Core™ i7, Processor model: i7-10700. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2933 MHz. Total storage capacity: 256 GB, Storage media: SSD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 630. Operating system installed: FreeDOS. Chassis type: Micro Tower. Product type: PC. Weight: 4.7 kg. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Headphone outputs	1
Processor family *	Intel® Core™ i7	Line-out	✓
Processor generation	10th gen Intel® Core™ i7	Line-in	✓
Processor model *	i7-10700	Combo headphone/mic port	✓
Processor cores	8	Serial ports quantity	1
Processor threads	16	Design	
Processor boost frequency	4.8 GHz	Chassis type *	Micro Tower
Processor frequency *	2.9 GHz	Placement supported	Vertical
Processor socket	LGA 1200 (Socket H5)	Number of 3.5" bays	2
Processor cache	16 MB	Cable lock slot	✓
Processor cache type	L3	Product colour *	Black
System bus rate	8 GT/s	Country of origin	China
Processor lithography	14 nm	Performance	
Processor operating modes	64-bit	Market positioning	Everyday
Processor codename	Comet Lake	Motherboard chipset	Intel H470
Thermal Design Power (TDP)	65 W	Audio chip	Realtek ALC3601
Tjunction	100 °C	Built-in speaker(s)	✓
PCI Express slots version	3.0	Password protection	✓
Maximum number of PCI Express lanes	16	Password protection type	BIOS, Power on
PCI Express configurations	1x16, 2x8, 1x8+2x4	Trusted Platform Module (TPM)	✓
Number of processors installed	1	Trusted Platform Module (TPM) version	2.0
Maximum internal memory supported by processor	128 GB	Product type *	PC

Processor		Software	
Memory types supported by processor	DDR4-SDRAM	Operating system installed *	FreeDOS
Memory clock speeds supported by processor	2933 MHz	Pre-installed software	HP Audio Switch; HP Documentation; HP Setup Integrated OOB Win10; HP Support Assistant; HP System Event Utility; McAfee LiveSafe™; Buy Office (sold separately); HP JumpStarts; Xerox® DocuShare® 90 day free trial offer
Memory bandwidth supported by processor (max)	45.8 GB/s		
Memory		Processor special features	
Internal memory *	8 GB	Intel 64	✓
Maximum internal memory *	16 GB	Enhanced Intel SpeedStep Technology	✓
Internal memory type	DDR4-SDRAM	Embedded options available	✗
Memory layout (slots x size)	1 x 8 GB	Intel® InTru™ 3D Technology	✓
Memory slots	2x DIMM	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory clock speed	2933 MHz	Intel Clear Video Technology	✓
ECC	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Non-ECC	✓	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	256 GB	Intel Stable Image Platform Program (SIPP)	✓
Storage media *	SSD	Intel® AES New Instructions (Intel® AES-NI)	✓
Optical drive type *	DVD±RW	Intel® Secure Key	✓
Number of storage drives installed	1	Intel® OS Guard	✓
Total SSDs capacity	256 GB	Intel Trusted Execution Technology	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	256 GB	Intel Software Guard Extensions (Intel SGX)	✓
SSD interface	NVMe	Processor package size	37.5 x 37.5 mm
NVMe	✓	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
SSD form factor	M.2	Scalability	15
Card reader integrated	✗	CPU configuration (max)	1
Graphics		Thermal solution specification	PCG 2015C
Discrete graphics card *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	Not available	Processor ARK ID	199316
On-board GPU manufacturer	Intel	Intel® Turbo Boost Technology	2.0
On-board graphics card family	Intel® HD Graphics	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card model *	Intel® HD Graphics 630	Intel® Quick Sync Video Technology	✓
On-board graphics card base frequency	350 MHz	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card dynamic frequency (max)	1200 MHz	Brand-specific features	
Maximum on-board graphics card memory	64 GB	HP JumpStart	✓
Number of displays supported (on-board graphics)	3	HP Support Assistant	✓
On-board graphics card DirectX version	12.0	HP Security tools	Integrated accessories cable lock; Lock slot; Trusted Platform Module (TPM) 2.0
On-board graphics card OpenGL version	4.5	HP GTIN (EAN/UPC)	195161354212
On-board graphics card ID	0x9BC5	HP segment	Business
Network		Weight & dimensions	
Ethernet LAN *	✓	Width *	155 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth *	303 mm
Wi-Fi *	✓	Height *	337 mm
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Weight *	4.7 kg
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Package width	287 mm
WLAN controller manufacturer	Realtek	Package depth	400 mm
WLAN controller model	Realtek RTL8821CE	Package height	499 mm
Antenna type	1x1	Package weight	8 kg
Bluetooth	✓		
Bluetooth version	4.2		
Ports & interfaces			
USB 2.0 ports quantity *	2		

Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Display included *	✘
VGA (D-Sub) ports quantity	1	Keyboard connectivity	Wired
DVI port	✘	Logistics data	
HDMI ports quantity *	1	Harmonized System (HS) code	8471500000
Ethernet LAN (RJ-45) ports	1	Other features	
Microphone in	✘	Number of free internal memory expansion slots	1
		Keyboard type	USB



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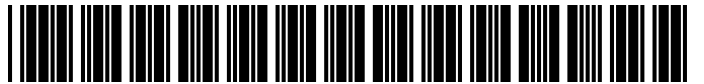
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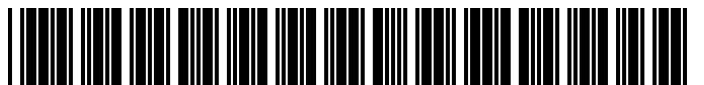
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