HP 290 G3 i5-10500 SFF Intel® Core™ i5 8 GB DDR4-SDRAM 256 GB SSD Windows 10 Pro PC Black

Brand : HP

Product code: 123Q7EA

Product name : 290 G3

- Intel® Core™ i5-10500 (3.1 GHz base frequency, up to 4.5 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores)
- Windows 10 Pro 64
- Intel® UHD Graphics
- 8 GB memory; 256 GB SSD storage
290 G3 Small Form Factor PC Bundle, Windows 10 Pro 64, Intel® Core™ i5, 8GB RAM, 256GB SSD

HP 290 G3 i5-10500 SFF Intel® Core™ i5 8 GB DDR4-SDRAM 256 GB SSD Windows 10 Pro PC Black:

Maximize your investment
Take on your everyday work at an affordable price with the HP 290 SFF. Get the reliable computing power you need while minimizing the total cost of ownership—now that's a smart investment. HP 290 G3. Processor frequency: 3.1 GHz, Processor family: Intel® Core™ i5, Processor model: i5-10500. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2666 MHz. Total storage capacity: 256 GB, Storage media: SSD, Optical drive type: DVD-RW. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Power supply: 180 W. Chassis type: SFF. Product type: PC

Processor

Processor manufacturer *	Intel
Processor generation	10th gen Intel® Core™ i5
Processor model *	i5-10500
Processor family *	Intel® Core™ i5
Processor cores	6
Processor frequency *	3.1 GHz
Processor boost frequency	4.5 GHz
Processor socket	LGA 1200 (Socket H5)
Processor cache	12 MB
Processor cache type	L3
Processor threads	12
System bus rate	8 GT/s
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Comet Lake
Thermal Design Power (TDP)	65 W
Tjunction	100 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	16
PCI Express configurations	1x16, 2x8, 1x8+2x4
Maximum internal memory supported by processor	128 GB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2666 MHz
Memory bandwidth supported by processor (max)	41.6 GB/s

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory layout (slots x size)	1 x 8 GB
Memory slots	2x DIMM
Memory clock speed	2666 MHz

Ports & interfaces

M.2 card slot (storage)	1

Expansion slots

PCI Express x1 slots	1
PCI Express x16 slots	1

Design

Chassis type *	SFF
Placement supported	Vertical
Product colour *	Black
Country of origin	China

Performance

Market positioning	Everyday
Motherboard chipset	Intel B460
Audio chip	Realtek ALC3601
Product type *	PC

Software

Operating system installed *	Windows 10 Pro
Operating system architecture	64-bit

Processor special features

Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel® InTru™ 3D Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel Stable Image Platform Program (SIPP)	✔

Memory

ECC	✘

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Optical drive type *	DVD-RW
Total SSDs capacity	256 GB
Number of SSDs installed	1
SSD capacity	256 GB
SSD interface	NVMe
NVMe	✔
SSD form factor	M.2

Graphics

Discrete graphics card *	✘
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	64 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x9BC8

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Wi-Fi *	✘

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
VGA (D-Sub) ports quantity	1
DVI port	✘
HDMI ports quantity *	1
Ethernet LAN (RJ-45) ports	1
Microphone in	✘
Headphone outputs	1
Line-out	✔
Line-in	✔
Combo headphone/mic port	✔
Serial ports quantity	1
M.2 card slot (wireless)	1

Processor special features

Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel Software Guard Extensions (Intel SGX)	✔
Processor package size	37.5 x 37.5 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Scalability	1S
CPU configuration (max)	1
Thermal solution specification	PCG 2015C
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	199277
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✔
Intel® Identity Protection Technology (Intel® IPT)	✔

Brand-specific features

HP segment	Business

Power

Power supply *	180 W

Weight & dimensions

Width *	95 mm
Depth *	303 mm
Height *	270 mm
Weight *	4.2 kg
Package width	196 mm
Package depth	498 mm
Package height	346 mm
Package weight	6 kg

Packaging content

Display included *	✘
Mouse included	✔
Keyboard included	✔

Logistics data

Harmonized System (HS) code	84715000

Other features

Keyboard type	USB

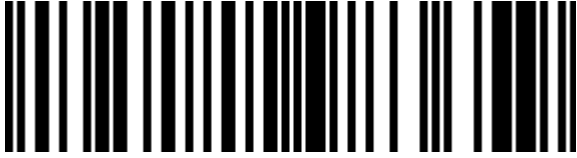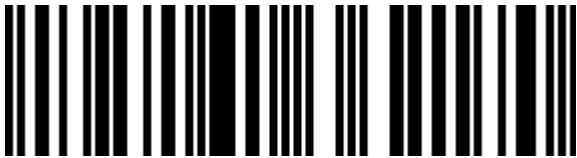|	
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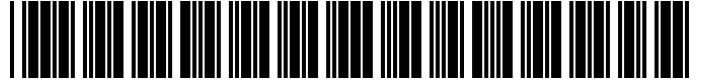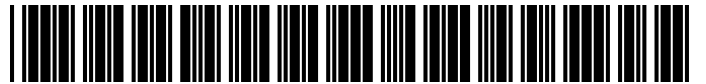
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