



HP 290 G4 Microtower PC Bundle (23H32EA)

Overview

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.

Powered up processing

Help optimize performance with an Intel® processor[3], speedy graphics, generous memory, and PCIe x1 and PCIe x16 slots for future growth.

Help keep data safe

Help protect your investment and your data with firmware or discrete TPM, HP DriveLock[5], and a physical security lock. Additional security is provided by an optional intrusion sensor and an integrated cable lock system to secure your cabled devices.

Progressive style

Three bays and two full-height slots, including PCIe x16 and PCIe x1 slots, provide expandability for the future.

Ready for work

The HP 290 MT provides a powerful PC with a double-fan design to accomplish your everyday tasks.

Features

Let nothing stand in your way

Power through your day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP.^[4]

High performance, high portability

Help speed up demanding business applications with a 10th Gen Intel® Core™ processor.^[3]

Help secure critical data

The Trusted Platform Module (TPM) embedded security chip provides hardware-based encryption keys to help secure your data, e-mail, and user credentials.

[3] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[5] HP DriveLock supports primary storage only.

[4] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

Specifications

Form factor	Microtower
Operating system	Windows 10 Pro 64
Processor family	10th Generation Intel® Core™ i3 processor
Processor	Intel® Core™ i3-10110U (2.1 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 4 MB L3 cache, 2 cores) ^[6,7]
Chipset	Intel® H470 ^[15]
Memory	8 GB DDR4-2666 SDRAM (1 x 8 GB)
Memory Slots	2 DIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Internal drive bays	Two 3.5" (2.5") HDD
Optical drive	HP 9.5 mm Slim DVD-Writer
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Audio	Realtek ALC3601 codec, optional internal speaker, combo microphone/headphone jack
Minimum dimensions (W x D x H)	15.5 x 30.3 x 33.7 cm (System dimensions may fluctuate due to configuration and manufacturing variances.)
Weight	4.7 kg (Exact weight depends on configuration.)
Keyboard	HP USB wired keyboard
Pointing device	HP USB wired optical mouse
Ports	1 headphone/microphone combo; 4 SuperSpeed USB 5Gbps signaling rate; 2 SuperSpeed USB 10Gbps signaling rate ^[10,32]
Expansion slots	1 PCIe x1; 1 PCIe x16; 2 M.2 ^[6,9] (1 M.2 slot for WLAN and 1 M.2 2242/2280 slot for storage.)
Ports	1 HDMI; 1 line in; 1 line out; 1 power connector; 1 RJ-45; 1 serial; 1 VGA; 2 USB 2.0
Package dimensions (W x D x H)	28.7 x 40 x 49.9 cm
Package weight	8 kg
Network interface	Integrated 10/100/1000M GbE
Power	180 W external AC power adapter ^[26]
Energy efficiency	ENERGY STAR® certified and EPEAT® Silver registered configurations available
Security management	Integrated accessories cable lock; Lock slot; Trusted Platform Module (TPM) 2.0 ^[23,24,25]

Software included	HP Audio Switch; HP Documentation; HP Setup Integrated OOBE Win10; HP Support Assistant; HP System Event Utility; McAfee LiveSafe™; Buy Office (sold separately); HP JumpStarts; Xerox® DocuShare® 90 day free trial offer ^[22,33]
UPC number	(ABD) 195161244704; (ABT) 195697445309; (ABV) 195697445316; (ACB) 195161604409
Warranty	1 year (1-1-1) limited warranty and service offering includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Additional specifications

Datasheet photo 1	AHID/e343febd8c9fed7b303be31230e14502eb9b739
Datasheet photo 2	Publication photos/hp-carepack-updated.jpg
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Datasheet photo 5	AHID/bb30576d174966da4ea0f248a7cacd8a76e4a00e
ECC memory	No
External I/O ports footnote number	[11]
Graphic card footnote number	[16]
I/O Port location	Rear
I/O Port location	Front
Legal tagline	HP recommends Windows 10 Pro for business
MDA key selling point	Windows 10 Pro or other operating systems available
Memory and storage	8 GB memory; 256 GB SSD storage
Memory layout (slots & size)	1 x 8 GB
Memory module type	DIMM
Memory size	8
Memory size uom	GB
Memory speed	2666
Memory speed uom	MHz
Memory type	DDR4
Number of memory slots	1
Operating humidity range	10 to 90% RH
Operating temperature range	0 to 40°C
Processor Brand	Intel®
Processor base frequency	3.6
Processor base frequency uom	GHz
Processor cache	6 MB L3
Processor core	4
Processor family	Core™ i3
Processor generation	10th Generation
Processor maximum frequency	4.3
Processor maximum frequency uom	GHz

Processor model	10100
Processor speed	3.6 GHz
Processor threads	8
Product brand name	HP
Sales office and telephone number	Albania: +49 89 9396 1803; Algeria: +213 (0) 61 68 23 00; Austria: +43 (0) 810 00 60 80; Bahrain: 800 171; Belgium: +32 (02) 729 71 11; Bulgaria: +359 2 969 87; Bosnia-Herzegovina: +49 89 9396 1803; Commonwealth of Independent States (CIS): +(095) 923 50 01; Croatia: +385 1 606 02 00; Czech Republic: +420 261 108 108; Denmark: +45 48 12 10 00; HP East Africa, Authorized Consultant: +254 20 27 16 111; Egypt: HP +202 792 5070 ; Estonia: +372 6 813 820; Finland: HP Myyntipalvelu 010 217 2700; France: +33 (0) 826 800 400; Germany: +49 (0) 180 532 62 22; Greece: +30 801 11 22 55 47; Hungary: +36 (1) 382 11 11; Iceland: +354 (1) 67 10 00; Ireland: +353 1 615 82 00; Israel: +972 9 830 48 48; Italy: Prodotti +39 02 92607 330, Servizio HP Care Pack: +39 02 9212 2040; Kazakhstan & Kyrgyzstan: +7 327 2 58 43 43; Latvia: +371 703 07 00; Lithuania: +370 5 2103 300; Luxembourg : (+352) 263 160 34 Macedonia: +49 89 9396 1803; Malta: +49 89 9396 1803; Middle East (Within UAE Toll Free): 800 45 20; Moldova: +49 89 9396 1803; Morocco (African Region): Call Centre +212 22 40 47 47, HP Sale Office +212 22 97 37 37/+212 22 43 64 00; Netherlands: 0800 266 7272; Nigeria: + 234 13 205 241/3; Norway: +47 24 09 70 00; Poland: 0 801 522 622 and/or 00 48 22 565 77 00 (calls are charged at national rates); Portugal: +351 808 200 808 (end user welcome desk for commercial products) ; Romania: +40 (21) 303 83 00; Saudi Arabia: (Toll free) 800 897 14 33, Office Number: +96612731200; Serbia and Montenegro: +381 11 201 99 00; Slovakia: 0800 147 147; Slovenia: +386 1 230 74 20; Spain: +34 (91) 631 16 00; Sweden: +46 200 27 00 00; Switzerland: Pre-sales/product information +41 (0) 848 88 44 66, Spare parts, manuals +41 (0) 848 84 74 64; Tunisia: +216 1 89 12 22; Turkey: +90 (212) 444 79 79; UAE (Toll Free): 800 45 20; UAE (Toll Free): 800 45 20 or 800 49 10; Ukraine: +380 44 490 61 20 ; United Kingdom: HP Teleweb Glasgow +44 (0) 845 270 40 00
Service description	HP 3 year Next business day Onsite Desktop Only Hardware Support
Services (Care Pack)	Receive 3 years of next business day onsite HW Support from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.
Standard memory note	Transfer rates up to 2666 MT/s.
Storage capacity 01	256
Storage capacity uom 01	GB
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
UNSPSC code	43211507

[6] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[9] 4 serial port: optional via PCIe slot, and only available for specific region.

[10] (1) 3-in-1 SD card reader: Sold separately or as an optional feature.

[15] For full Intel® vPro™ functionality, Windows, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN card and discrete TPM 2.0 are required. See <http://intel.com/vpro>.

[22] McAfee LiveSafe™: subscription required.

[23] Security cable lock supported (sold separately).

[24] TPM feature will be supported on machine pre-configured with FreeDOS, and will be default set as enabled in BIOS setup menu if the machine is dTPM, but will be default set as disabled in BIOS setup menu if the machine is fTPM.

[25] Physical cable lock for better cable management.

[26] All power supplies are not available in every region.

[32] SuperSpeed USB 10Gbps signaling rate = USB3.2 Gen2. SuperSpeed USB 5Gbps signaling rate = USB3.2 Gen1.

[33] Simply sign up and start using Xerox® DocuShare® Go. No credit card. No obligation. Data will become unavailable unless a subscription is entered before the end of the 90 day free trial period. See visit www.xerox.com/docusharego for details.

Accessories

Memory

★ : Recommended

DDR4 Memory

HP 16GB DDR4-2666 DIMM	3TK83AA ★
HP 8GB DDR4-2666 DIMM	3TK87AA ★
HP 4GB DDR4-2666 DIMM	3TK85AA ★
HP 16GB DDR4-2666 DIMM	3TK83AT
HP 16GB DDR4-3200 DIMM	13L74AA
HP 32GB DDR4-2666 DIMM	1C918AA
HP 32GB DDR4-2666 DIMM	1C918AT
HP 32GB DDR4-3200 DIMM	13L72AA
HP 4GB DDR4-2666 DIMM	3TK85AT
HP 4GB DDR4-3200 DIMM	13L78AA
HP 8GB DDR4-2666 DIMM	3TK87AT
HP 8GB DDR4-3200 DIMM	13L76AA

Cache Memory

Intel Optane Memory 16GB (cache)	1WV97AA
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Security and Protection

PC Locks

HP Business PC Security Lock v3 Kit	3XJ17AA ★
HP Keyed Cable Lock 10 mm	T1A62AA
HP Master Keyed Cable Lock 10mm	T1A63AA

PC Drives and Storage

PC Solid State Drives

HP TLC 256 GB SATA SSD	P1N68AA ★
HP PCIe NVME TLC 256GB SSD M.2 Drive	1CA51AA
HP PCIe NVME TLC 512GB SSD M.2 Drive	X8U75AA

PC SATA Hard Drives

HP 1TB 7200rpm SATA (NCQ/Smart IV) 6Gbp/s Hard Drive	QK555AA ★
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HP 1TB SATA 6Gb/s 7200 (25 Bulk Pack) Hard Drive	QK555A6
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HP 500GB 7200rpm SATA (NCQ/Smart IV) 6.0 Gbp/s (Bulk 25) Hard Drive	QK554A6
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HP 500GB 7200rpm SATA (NCQ/Smart IV) 6.0 Gbp/s Hard Drive	QK554AA
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Keyboards/Mice and Input Devices

Mice

HP USB Optical Scroll Mouse	QY777AA ★
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HP USB Fingerprint Mouse	4TS44AA
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HP USB Fingerprint Mouse	4TS44ET
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HP USB Grey v2 Mouse	Z9H74AA
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HP USB Optical Scroll (Bulk Pack 100) Mouse	QY777A6
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HP USB Optical Scroll Mouse	QY777AT
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Keyboards

HP USB Slim Business Keyboard	N3R87AA ★
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HP (Bulk) USB Slim Business Keyboard	N3R87A6
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HP PS/2 Slim Business Keyboard	N3R86AA
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HP USB (Bulk Pack 14) Keyboard	QY776A6
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HP USB Keyboard for PC	QY776AA
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HP USB Slim Business Keyboard	N3R87AT
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Graphics Cards

Graphics Cards

NVIDIA GT 730 2GB DP Card	Z9H51AA ★
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AMD Radeon R7 430 2GB DisplayPort VGA Card	5JW82AA
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Audio/Multimedia and Communication Devices

Headsets

HP Business Headset v2	T4E61AA
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HP Stereo 3.5mm Headset	T1A66AA
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Speakers

HP S101 Speaker Bar	5UU40AA
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Cables/Cable Kits/Cable Adapters

Audio and Video Cables

HP DisplayPort To VGA Adapter	AS615AA
HP DisplayPort To VGA Adapter	AS615AT
HP DisplayPort To VGA Adapter	F7W97AA

PC Cable Options

HP HDMI Standard Cable	T6F94AA
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Point of Sales System Options

POS Display Accessories

HP L5010ta	2KY27AA
HP L5015ta	2KY28AA
HP L5015tm 38,1 cm (15") Retail Touch Monitor	M1F94AA
HP L6010 10.4-inch Retail Monitor	A1X76AA
HP L6015tm 15-inch Retail Touch Monitor	A1X78AA
HP L6017tm 17-inch Retail Touch Monitor	A1X77AA

Expansion Solution and Controller Cards

Port Adapters

HP PCIe x1 Parallel Port Card	N1M40AA
HP USB to Serial Port Adapter	J7B60AA

PC Controller/Controller Options

PC Processor Cards

Intel Ethernet I210-T1 GbE NIC	E0X95AA
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Monitors

Business Monitors

★ : Recommended

P-Series

HP P24h G4 FHD Monitor	7VH44AA ★
HP P19b G4 Monitor	9TY83AA
HP P21b G4 Monitor	9TY24AA
HP P22 G4 22 FHD Monitor	1A7E4AA
HP P22h G4 FHD Monitor	7UZ36AA
HP P22h G4 FHD Monitor	7UZ36AT
HP P22v G4 Monitor	9TT53AA
HP P24 G4 24 FHD Monitor	1A7E5AA
HP P24q G4 QHD Height Adjust Monitor	8MB10AA
HP P24v G4 Monitor	9TT78AA
HP P27h G4 FHD Monitor	7VH95AA
HP P27q G4 QHD Height Adjust Monitor	8MB11AA
HP P27v G4 Monitor	9TT20AA

Value Displays

HP P224 21.5-inch Monitor	5QG34AA ★
HP P244 23.8-inch Monitor	5QG35AA ★
HP N246v 23.8-inch Monitor	3NS59AA
HP P224 21.5-inch Monitor	5QG34AT
HP P244 23.8-inch Monitor	5QG35AT
HP V214a 52.57 cm (20.7") Monitor	1FR84AA

Z Displays

HP DreamColor Z24x G2 Display	1JR59A4
HP DreamColor Z27x G2 Studio Display	2NJ08A4
HP DreamColor Z31x Studio Display	Z4Y82A4
HP Z22n G2 21.5-inch Display	1JS05A4
HP Z23n G2 23-inch Display	1JS06A4
HP Z24i G2 24-inch Display	1JS08A4
HP Z24n G2 24-inch Display	1JS09A4
HP Z24nf G2 60.45 cm (23.8") Display	1JS07A4

HP Z27 27-inch 4K UHD Display	2TB68A4
HP Z27n G2 27-inch Display	1JS10A4
HP Z32 31.5-inch 4K UHD Display	1AA81A4
HP Z38c 37.5-inch Curved Display	Z4W65A4
HP Z43 42.5-inch 4K UHD Display	1AA85A4

E-Series

HP E24d G4 FHD Advanced Docking Monitor	6PA50AA
HP E27d G4 QHD Advanced Docking Monitor	6PA56AA

EliteDisplays

HP E344c 34-inch Curved Monitor	6GJ95AA	obsolete
HP EliteDisplay E190i 48 cm (18.9") 5:4 LED Backlit IPS Monitor (ENERGY STAR)	E4U30AA	
HP EliteDisplay E202 50,8 cm (20") Monitor (ENERGY STAR)	M1F41AA	
HP EliteDisplay E223 21.5-inch Monitor	7MP21AA	
HP EliteDisplay E223 54.6 cm (21.5") Monitor	1FH45AA	
HP EliteDisplay E223d 21.5-inch Docking Monitor	5VT82AA	obsolete
HP EliteDisplay E230t 58.42 cm (23-inch) Touch Monitor	W2Z50AA	
HP EliteDisplay E233 23-inch Monitor	7MQ32AA	
HP EliteDisplay E233 58.4 cm (23") Monitor	1FH46AA	
HP EliteDisplay E233 58.42 cm (23") Monitor Head Only	2PD30AA	
HP EliteDisplay E243 23.8-inch Monitor	7MQ82AA	
HP EliteDisplay E243 60.45 cm (23.8") Monitor	1FH47AA	
HP EliteDisplay E243d 23.8-inch Docking Monitor	1TJ76AA	
HP EliteDisplay E243d 23.8-inch Docking Monitor	7MP20AA	
HP EliteDisplay E243i 24-inch Monitor	7MQ83AA	
HP EliteDisplay E243i 61 cm (24") Monitor	1FH49AA	
HP EliteDisplay E243m 60.45 cm (23.8") Monitor	1FH48AA	
HP EliteDisplay E243p 23.8-inch Sure View Monitor	5FT13AA	
HP EliteDisplay E273 27-inch Monitor	7MQ84AA	
HP EliteDisplay E273 68.58 cm (27") Monitor	1FH50AA	
HP EliteDisplay E273d 27-inch Docking Monitor	5WN63AA	obsolete
HP EliteDisplay E273m 68.58 cm (27") Monitor	1FH51AA	
HP EliteDisplay E273q 27-inch Monitor	7MQ85AA	obsolete
HP EliteDisplay E273q 68.58 cm (27") Monitor	1FH52AA	

HP EliteDisplay E324q 31.5-inch QHD Monitor	5DP31AA
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Healthcare Edition Displays

HP Healthcare Edition HC241 Clinical Review Monitor	3ME68AA
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HP Healthcare Edition HC241p Clinical Review Monitor	3ME69AA
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HP Healthcare Edition HC270cr Clinical Review Monitor	1QW03AA
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Large Format Display

HP LD5512 4K UHD Conferencing Display	2YD85AA	obsolete
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Business LCD Monitors

HP P174 17-inch Monitor	5RD64AA
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HP P204 19.5-inch Monitor	5RD65AA
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S-Series

HP S430c 43.4-inch Curved Ultrawide Monitor	5FW74AA
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Application Software

★ : Recommended

Desktop Application Software

Microsoft Office 2016 Home and Business Software	X7Q47AA	obsolete
Microsoft Office 2016 Home and Student Software	X7Q46AA	obsolete

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