



ZYRA E PROKURIMIT

01 NR. 344-23191/19

Me 11.06.2019

KONTRATA PUBLIKE KORNIZË NR 035/2019
KUSHTET & ANEKSET E NDËLIDHURA
PJESA I E KONTRATËS: KONTRATA PUBLIKE

KUVENDI KOMUNAL I KLINËS, (në vazhdim "Autoriteti Kontraktues") te perfaqesuar nga menaxheri i Zyres se prokurimit z.Abaz Foniqi , në njërën anë;

Dhe:

1. TRIO TEK , RRUGA GAZMEND ZAJMI – PRISHTINE , ME NUMER BISNESI 70819252 nr. Fiskal 600772166 , me perfaqesues z. Halil Zabeli ,

Ne anën tjetër, janë pajtuar te lidhin një kontrate-Marreveshje publike kornize me Mini tender për furnizim me:

FURNIZIM ME PAISJE TE TEKNOLOGJISE INFORMATIVE

me numër identifikues: 634-19-3345-135/int. 634-18-813-1-2-1

Neni 1 Lënda

- 1.1 Lënda e kontrate publike kornizë është të krijoj kushtet, duke përfshirë rregullat e implementimit për krijimin e kushteve per Procedura me MINI TENDER per furnizimet per Paisjet sipas Listes se Planifikuar .

.Nr. rendor Përshkimi Njësia Sasia e parashikua

Nr. i art.	Përshkrimi	Njësia	Sasia	CMIMI PER NEJSI	VLERA
1	LAP TOP SIPAS PERSHKRMIT TEKNIK NE DOSJE TE TENDERIT	COPE	1	450.00	450.00
2	KOMPJUTER DESK TOP	COPE	1	490.00	490.00
3	SWITCH PORTESH 8-12	COPE	1	10.00	10.00
4	WIRELES	COPE	1	10.00	10.00
	TOTAL				960.00

- 1.2 Kontrata publike do të implementohet me "procedurave MINI TENDER per cdo raste kur Autoriteti kontraktues deshiron te furnizohet me keto paisj .

1.3 Sasitë e vlerësuara, të përcaktuara në Pjesën C, Lista e artikujve , janë vetëm sasi indicative. Autoriteti(et) Kontraktues i përmendur në Nenin1.1 është (janë) të detyruar të përdorin këtë marrëveshje kornizë sa herë që të prokurojnë mallëra; të përmendura në 1.1.

1.5 Kontrata hynë në fuqi me 10.06.2016 dhe përfundon në datën 20.06.2019

Neni 2 Kushtet e dërgesës

2.1 Afati kohor për dorëzim do të jetë Ne baze te Kontrave me mini tender ditë nga koha e lëshimit të urdhër blerjes nga ana e Autoritetit Kontraktues.

2.3 Inkoterimi I zbatueshëm do të jetë DDP¹ (Dërgesat e Detyrës të Paguara).Kline

Neni 3 Origjina

3.1 Furnizuesi duhet të dorëzojë një certifikatë të origjinës së furnizimeve, më së voni atëherë kur e kërkon pranimin e përkohshëm të furnizimeve. Mosveprimi sipas këtij kushti mund të ketë si rezultat ndërprerjen e kontratës

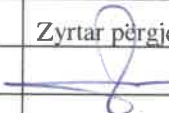

3.2 Origjina e mallrave do të përcaktohet sipas Kodit të Doganave të Bashkësisë Evropiane (Community Customs Code-) ose sipas marrëveshjeve ndërkombëtare të cilat i ka nënshkruar vendi në fjalë.

4.4 Pagesat do të bëhen në përputhje me Kushtet e Përgjithshme dhe/ose të Veçanta të Kontratës.



Per Kontrata me Mini Tender sipas procedurave ne vijim

6.4 Kjo kontratë është përgatitur në gjuhë Shqipe in në tri origjinale, dy origjinale për Autoritetin Kontraktues dhe një origjinal për Furnizuesin.

Për Autoritetin Kontraktues

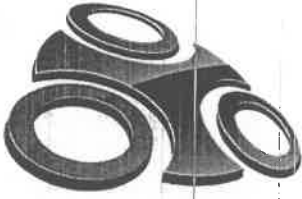
Emri:	Abaz Foniqi
Pozita:	Zyrtar përgjegjës i prokurimit
Nënshkrimi:	
Data:	10.06.2019
Vula:	

Për O.E. - TRIO TEK –Prishtine

Emri:	HALIL ZABELI
Pozita:	DEJTOR
Nënshkrimi:	
Data:	10.06.2019
Vula:	



¹⁷ DDP – Dërgesat e Detyrës të Paguara –Incoterms 2010 Dhoma Ndërkombëtare e Tregtisë.



TRIO TEK sh.p.k

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email: info@trio-tek.net • triotek12@gmail.com

Tel. 049 350 526 • 049 830 555
ProCredit Bank: 1186000202000140
TEB Bank: 20-11-0000751696-08
NLB Bank: 1708001012700234

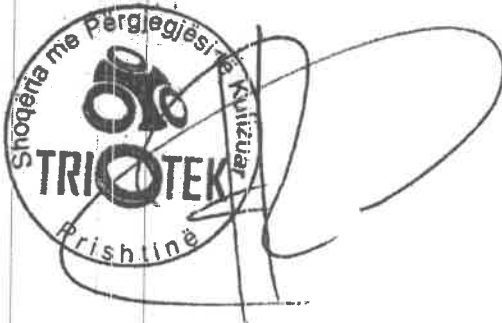
Komuna e Klinë

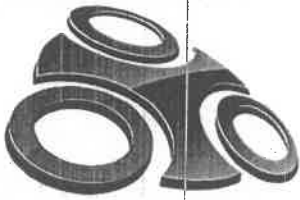
Prok nr: 634-19-3345-135

Numri I Prokurimit: "Titulli: Furnizim me pajisje te TI për të gjitha njësit shpenzuese të KOMUNES KLINE

Shënim: Afati për liferimin e mallrave do të jetë jo më shumë 20 ditë nga data e lëshimit të fletëporosisë nga autoritetet kontraktuese që e shfrytëzojn këtë kontratë

Me respekt
TRIO TEK shpk
27.05.2019





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Komuna e Klinë

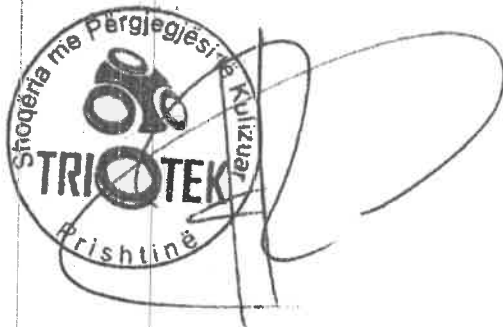
Prok nr: 634-19-3345-135

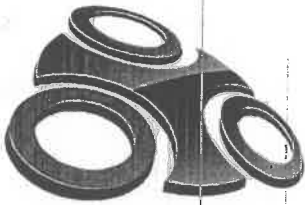
Numri I Prokurimit: " Titulli: Furnizim me pajisje te TI për të gjitha njësit shpenzuese të KOMUNES KLINE

Kompania e jonë jep garancinë 12 muaj për pajisjet e ofruara sipas kërkesave te AK ne dosjen e tenderit.

Vërejtje: Kushteve e garancionit do të bashkëngjiten me rastin e liferimit të mallit.

Me Respekt
Trio Tek shpk
27.05.2019





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NLB Bank: 1708001012700234

DEKLARATË E PËRPUTHSHMËRISË ME SPECIFIKIMET E DETYRUSHME TEKNIKE

Unë, i poshtë- nënshkruari, duke përfaqësuar "TRIO TEK SHPK" që dorëzon tenderin, deklaroj se mallrat e ofruara nga ne, përmbushin kërkesat e detyrueshme teknike dhe ne do ti përmbahem Aneksit 1 të paraqitura në këtë dosje të tenderit.

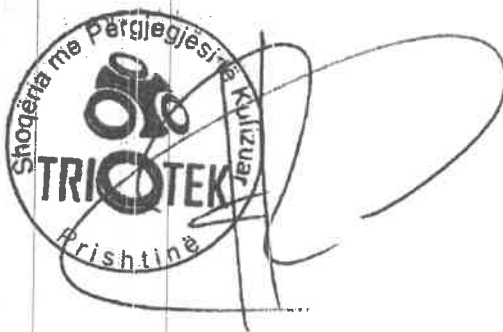
Komuna e Klinë

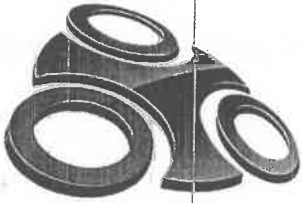
Prok nr: 634-19-3345-135

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Unë vërtetoj se kemi lexuar dhe kuptuar në tersi specifikimet e detyrueshme teknike të dhëna në ANEKSIN 1 të kësaj dosje të tenderit dhe deklaroj se ne si operator ekonomik ne fjalë i përmbahem Aneksit të paraqitura në këtë dosje të tenderit.

TRIO TEK SHPK
27.05.2019





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MENAGJER I KONTRATËS

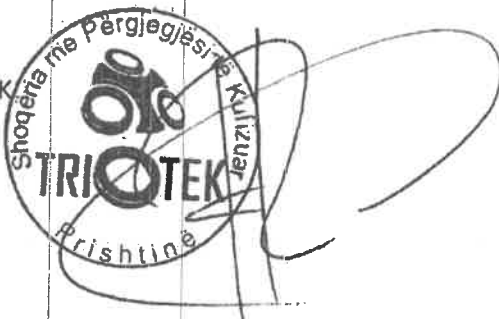
Ne "TRIO TEK SHPK" që dorëzojmë tenderin, deklarojmë se menagjer i kësaj kontrate do te caktohet personi z. Gafurr Salihu .

Komuna e Klinë

Prok nr: 634-19-3345-135

Numri I Prokurimit:" Titulli: Furnizim me pajisje te TI për të gjitha njësit shpenzuese të KOMUNES KLINE

TRIO TEK SHPK
27.05.2019



Datasheet

HP V214a 52.57 cm (20.7") Monitor



An affordable everyday business display

Enjoy impressive Full HD presentation features with integrated audio on the V214a 52.57 cm (20.7") Monitor. The convenient connectivity, adaptability, and affordable price point are ideal for office environments.



Crisp presentation features

- Experience a vibrant Full HD 1920 x 1080 resolution image on an ample 52.57 cm (20.7") diagonal screen with a quick 5ms response rate.¹

Efficient, adaptable workspace

- Create a clean, efficient workspace by directly attaching select HP PCs² to the back of the monitor—perfect for small spaces, or use the VESA pattern to mount the display on a wall or to an arm or stand.

Easy connectivity and audio

- Conveniently utilize the VGA and HDMI ports for centralized connectivity, and experience integrated sound with the built-in dual 1-watt speakers for your projects' audio needs.

Featuring

- Reduce power consumption and help lower your costs with an intelligent, energy-efficient display that is ENERGY STAR[®] certified, EPEAT[®] Silver registered, and has mercury-free display backlights and arsenic-free display glass.
- Rest assured that your IT investment is supported by a three-year standard limited warranty. To extend your protection, select optional HP Care Pack Services.
- Free up valuable desk space and improve ergonomics; the integrated 100-mm standard VESA pattern supports all HP Quick Release accessories, including the HP Single Monitor Arm.

1 with a

HP V214a 52.57 cm (20.7") Monitor

Accessories and services (not included)

HP Single Monitor Arm



The HP Single Monitor Arm is the perfect desk accessory for your work life. Sleek and streamlined, the HP Single Monitor Arm is designed to complement the way you work.
Product number: BT861AA

HP Integrated Work Center Stand for Ultra Slim Desktop and Thin Client



The HP Integrated Work Center Stand is designed to help maximize the use of limited desk space without compromising performance or productivity by accommodating an HP Thin Client and most HP 17 to 24-inch¹ (43.18 to 60.96 cm) diagonal LCD monitors (please refer to compatibility in the Quick Spec) with VESA standard mounting brackets.
Product number: E8H16AA

HP Quick Release



A secure and easy-to-use mounting solution for your VESA-compliant HP thin clients, compatible HP flat panel monitors and other HP desktop products. Attach to any a compatible stand, bracket or wall mount and make the most of your workspace.
Product number: EM870AA

HP Integrated Work Center for Small Form Factor



Maximize your work space with the HP Integrated Work Center for Small Form Factors v3. Customize an "all-in-one" solution by combining an HP Small Form Factor or Workstation with an LED monitor up to 24 diagonal inches.¹
Product number: F2P06AA

HP UHD USB Graphics Adapter




Boost your productivity by extending or mirroring your desktop to a UHD display with the HP UHD USB Graphics Adapter.
Product number: N2U81AA

HP 3 year Next business day Onsite Standard Monitor Hardware Support

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.
Product number: UD950E



Product Number	KW5515
Product Picture	
Wireless	<p>Wireless Standards: IEEE 802.11b/g/n 2.4GHz</p> <p>Frequency: 2.4GHz</p> <p>Wireless Speed: 300Mbps</p> <p>Transmit Power: <(20dBm)</p> <p>Wireless Security: 64/128-bit WEP, WPA-PSK/WPA2-PSK/TKIP/AES</p> <p>Wireless Features: Enable/Disable Wireless Radio, Multi-SSID, WDS, Access Control List, Wireless Statistics</p> <p>Guest Network: 2.4GHz guest network x1</p>
Hardware	<p>Physical Interface: 4*10/100 Mbps LAN port & 1*10/100 Mbps WAN port</p> <p>Buttons: ON/OFF, Reset, WPS</p> <p>LED Indicators: Power, WAN, LAN1/2/3/4, 2.4G WiFi, WPS</p> <p>Antenna: 2 External 3dBi Antennas</p> <p>Power: Input: 100-240V AC, 50Hz; Output: 5V/1A</p> <p>Dimension: 7.09*4.53*1.02 in.(180*115*26mm)</p>
Software	<p>WAN Connection Types: DHCP Client/Static IP/PPPoE, PPTP/ L2TP/ Bridge</p> <p>PPP Auto Reconnect and Configurable Timeouts, PPP Auto Reconnect on WAN Access/PPP on Demand, Static Route, Dynamic RIPv1, RIPv2 support</p> <p>MTU Adjustment</p> <p>DNS Relay Agent/DDNS Support</p> <p>Network Address Translation (NAT)</p> <p>Port Forwarding, DMZ Support, UPnP(Universal Plug and Play)</p> <p>NAT Application Level Gateway for popular applications</p> <p>IGMP Snooping v1/2 and IGMP Multicast</p> <p>DHCP: Server, Client, DHCP Client List, Address Reservation, DHCP Relay</p> <p>Parental Control</p> <p>PAP/CHAP for PPP mode</p> <p>NAT for Firewall</p> <p>SPI Firewall</p>

Lenovo V130 (15") Platform Specifications

Product Specifications Reference (PSREF)

Processor

V130-151GM: Intel® Celeron® Processor, Intel Pentium® Silver Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Burst Frequency	Cache	Memory Types	Processor Graphics
Cel M4000	2	2	1.1 GHz	2.6 GHz	4MB	DDR4-2400	Intel UHD Graphics 600
Cel M4100	2	2	1.1 GHz	2.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 600
Pen N5000	4	4	2.7 GHz	2.7 GHz	3MB	DDR4-2133	Intel HD Graphics 620

V130-151KB: Intel Celeron Processor, Intel Pentium Silver Processor, 7th Generation Intel Core i3 / i5 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3865U	2	2	1.8 GHz	2.3 GHz	2MB	DDR4-2133	Intel HD Graphics 610
Pen 4415U	2	2	2.3 GHz	2.3 GHz	2MB	DDR4-2133	Intel HD Graphics 610
i5-7200U	2	4	2.3 GHz	3.1 GHz	3MB	DDR4-2133	Intel HD Graphics 620

V130-151GM: Intel UHD Graphics 600 or 605 in processor only; Intel HD Graphics 610 or 620 in processor only, or AMD Radeon 530, 2GB memory; supports three independent displays; Max resolution: 4096x2304@24Hz (HDMI);

Graphics

Intel Soc (System on Chip) platform
 V130-151GM: 8GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket
 V130-151KB: 12GB max / 2133MHz DDR4, dual-channel capable, 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket
 * System clocks down for processors with lower memory controller

Display
 Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio
 Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio

Multi-touch

None

Storage
 Some: M.2 SSD / PCIe 3.0 x 4 NVMe or SATA 6.0Gb/s (V130-151KB Core i only)
 Some: M.2 SSD / PCIe 3.0 x 2 NVMe or SATA 6.0Gb/s (V130-151KB Core i only)
 Some: SSD / SATA 6.0Gb/s, 2.5" wide (V130-151GM only)
 Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high
 Serial ATA, SATA 6.0Gb/s support, integrated in processor
 SATA controller
 Optical (optional) DVD burner, 9.0mm high, fixed, not removable, tray-in

Ethernet

Gigabit Ethernet connection

WLAN

11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Dimensions

WxDxH: 14.76" x 9.96" x 0.88" - 375mm x 253mm x 22.3mm

Weight

V130-151GM: Start weight at 1.85kg (4.08lb)
 V130-151KB: Start weight at 1.80kg (3.97lb)

Case material

from Gray PC/ABS plastic

Media reader

4-in-1 reader (MMC, SD, SDHC, SDXC)
 V130-151GM: One USB 3.0, one USB 2.0, HDMI, Ethernet (RJ-45)
 V130-151KB: Two USB 3.0, HDMI, Ethernet (RJ-45)

Ports

Camera (optional)/0.3MP or 720p, fixed focus, camera cover

Audio support

Stereo speakers with Dolby® Audio™, 2W x 2 / optional monaural digital microphone, combo audio/microphone jack

Keyboard

6-row, multimedia Fn keys, numeric keypad, spill-resistant Clickpad, multi-touch

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

Firmware TPM 2.0, integrated in chipset

Fingerprint reader

None

Internal battery

Integrated Li-Ion 2-cell (30Wh)

External battery

None

Max battery life

Up to 6 hours (MobileMark® 2014)
 V130-151GM: 45W AC adapter
 V130-151KB: 45W or 65W AC adapter

AC adapter

Some: Windows 10 Home 64
 Some: Windows 10 Pro 64

Preload

- Lenovo Companion
- Lenovo Setting
- Microsoft Office preloaded
- purchase a product key to activate
- McAfee® LiveSafe™ (30-day trial)

Limited warranty

One of the following, configurable by model:

- 1-year depot repair service
- 2-year/1-yr battery depot repair service

Environment

EPEAT™ Silver; ENERGY STAR® 6.1; RoHS-compliant



Specification

Standards and Protocols	IEEE 802.3, 802.3u, 802.3x CSMA/CD, TCP/IP
Basic Function	Wire-speed Performance MAC Address Auto-learning and Auto-aging IEEE 802.3x flow control for full-duplex mode and backpressure for half-duplex mode
MAC Address Table	1k
Forwarding Rate	10BASE-T: 14880pps/port 100BASE-TX: 148800pps/port
Transmission Method	Store-and-Forward
Ports	8 10/100Mbps Auto-Negotiation RJ45 ports (Auto MDI/MDIX)
Network Media	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100 \bar{U} STP (maximum 100m) 100Base-Tx: UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100 \bar{U} STP (maximum 100m)
LED Indicators	Power, LAN1~8
Safety and Emission	FCC, CE
Environment	0 $^{\circ}$ C ~40 $^{\circ}$ C (32 $^{\circ}$ F ~104 $^{\circ}$ F) -40 $^{\circ}$ C ~70 $^{\circ}$ C (-40 $^{\circ}$ F ~158 $^{\circ}$ F) 10%~90% non-condensing 5%~90% non-condensing
Power	External Power Adapter

	<p>2 Level (User/Admin) Authentication to Router</p> <p>IP and MAC Filtering</p> <p>Quality of Service: Priority Queuing /Classification Rules /802.1p, WMM</p> <p>VPN Pass-through: IPSec/PPTP/L2TP Pass-through</p> <p>Dynamic DNS: DynDns, NO-IP</p> <p>Management Support: Web Based GUI,FTP /HTTP /Telnet, Command Line Interface, Diagnostic Test,</p> <p>Firmware Upgrade-able, Supports Remote Access Control</p>
Operating System	Windows 8/7/vista/XP, Mac OS, Android, iOS
Environment	<p>Operating Temperature: -10°C~55°C(14~131°F)</p> <p>Storage Temperature: -30°C~60°C(-22~140°F)</p> <p>Operating Humidity: 5%~95% non-condensing</p> <p>Storage Humidity: 5%~90% non-condensing</p>
Package Content	Wireless Router KW5515; Power Adapter; RJ45 Cable; Quick Setup Guide
Product Diagram	<p>The diagram illustrates the router's connectivity. On the left, a cloud labeled 'Internet' is connected to the router via a dashed line labeled 'DSL/Ethernet/Cable'. Above the router, several wireless devices are shown: a laptop, a smartphone, a tablet, and a small wireless adapter. A circular icon with '2.4GHz' indicates the frequency used for these wireless connections. To the right of the router, a desktop computer monitor is connected to the router via a solid line, representing a wired connection.</p>
Warranty	1 year warranty

Lenovo V130 (15") 81HN00H8++

Region
EMEA

Machine Type
81HN

Processor
Core i5-7200U (2C, 2.5GHz, 3MB)

Graphics
Integrated Intel HD Graphics 520

Memory
4GB Soldered + 4GB DIMM

Display
15.6" FHD (1920x1080)

Multi-touch
None

Storage
500GB HDD

Optical
DVD±RW

Ethernet
100/1000M

WLAN + Bluetooth
11ac, 1x1 + BT4.1

Color
Iron Grey

Camera
720p

Microphone
Monaural

Keyboard
Non-backlit

Fingerprint Reader
None

Battery
2-cell (30Wh)

Power Adapter
45W

Operating System
Windows 10 Pro 64

Warranty
1-year, Depot

Ann Date (mm/yy)
06/18



www.lenovo.com

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<http://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.
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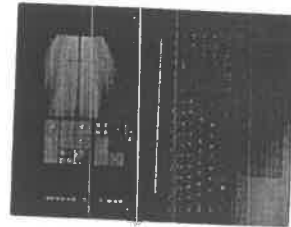
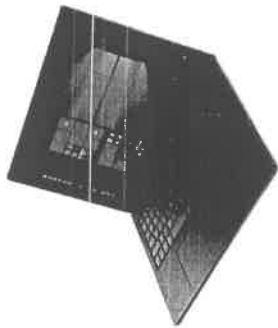


Note:
Country Code "US" is for United States, "+" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.); "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "xxx" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/EAST/MEA models listed above might not be available in all countries



Lenovo V130 (15")

Lenovo





HP 290 G2 Microtower PC

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 recommends Windows 10 Pro.

- Windows 10 Pro¹
- 1TB hard drive²

Ready for work

- The HP 290 MT provides a powerful PC with the features you rely onto accomplish your everyday tasks.

Progressive style

- The scalable and functional design of the HP 290 MT makes it easy to set up and use.

Powered up processing

- Help optimize performance with an 8th Gen Intel® Core™ processor³, optional NVIDIA® or AMD discrete graphic support⁴, up to 16GB DDR4 memory⁴, PCIe x1 and PCIe x16 slots for future growth and support for optional PCIe NVME storage.

Help keep data safe

- Help protect your investment and your data with firmware or discrete TPM and a security lock slot.

Featuring

- Help secure the future of your business. PCs from HP make the most of Windows 10 Pro to protect you from today's security threats and maximize management and productivity features for business.
- Get fast and easy connections with optional Gigabit LAN and WLAN featuring 802.11ac protocol and Bluetooth® 4.2 connectivity.
- Support two independent displays with VGA and HDMI connectivity. Make connections to peripherals with eight USB ports on the HP 290 MT with two front and two rear USB 3.1 Gen1 ports, four rear USB 2.0 ports and an optional serial port.
- Spend less time and get right to the updates you need with HP Support Assistant.
- With the clean, professional software image on the HP 290 MT, you will be productive in no time!

HP 290 G2 Microtower PC

Accessories and services (not included)

HP USB Slim Business Keyboard



Get fast data entry and quick USB connectivity with the HP USB Business Slim Keyboard, designed to complement the 2015 class of HP Business PCs.
Product number: N3R87AA

HP TLC 256 GB SATA SSD



Expand the storage capabilities of your desktop with the HP TLC 256 GB SATA SSD¹, which includes TLC flash and the same reliability you already get from current from SSD drives. Expand the storage capabilities of your desktop with the HP TLC 256 GB SATA SSD¹, which includes TLC flash and the same reliability you already get from current from SSD drives.
Product number: P1N68AA

HP USB Optical Scroll Mouse



Utilizing the latest optical sensing technology, the HP USB Optical Scroll Mouse records precise motion over a variety of surfaces without a mouse pad.
Product number: QV777AA

NVIDIA GT 730 2GB DP Card



Get impressive graphics and high resolution quad-display performance from the NVIDIA® GT 730 2GB DP Card.
Product number: Z9H51AA

HP 3 year Next business day Onsite Desktop Only Hardware Support



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.
Product number: U6578E

HP V214a 52.57 cm (20.7") Monitor

Messaging Footnotes

- ¹ All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
- ² See product QuickSpecs for exact PC and thin client compatibility, sold separately. HP Quick Release required and sold separately. Mounting hardware sold separately. Options sold separately.
- ³ EPEAT[®] registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status in your country.
- ⁴ HP Care Pack Services are sold separately. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See www.hp.com/go/cpc for details.
- ⁵ Each accessory sold separately. Mounting hardware sold separately.

Technical specifications disclaimers

- ¹ All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

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4AA7-0467EEE, July 2017



HP V214a 52.57 cm (20.7") Monitor Specifications Table



Product Color	Black
Display size (diagonal)	52.57 cm (20.7")
Display Type	TN w/LED backlight
Panel Active Area	45.8 x 25.76 cm;
Viewing Angle	90° horizontal; 65° vertical
Brightness	200 cd/m ²
Contrast Ratio	600:1 static; 5000000:1 dynamic ¹
Response Ratio	5 ms on/off
Aspect Ratio	16:09
Native Resolution	FHD (1920 x 1080 @ 60 Hz)
Resolutions Supported	1920 x 1080; 1680 x 1050; 1600 x 900; 1440 x 900; 1280 x 1024; 1280 x 800; 1280 x 720; 1024 x 768; 800 x 600; 720 x 400; 640 x 480
Display Features	Anti-glare; Language selection; LED Backlights; On-screen controls; Plug and Play; User programmable; Anti-static
User Controls	Brightness; Color Control; Contrast; Exit; Image Control; Information; Input Control; Language; Management; Menu; Minus ("-"); OK; Plus ("+"); Power
Input signal	1 HDMI 1.4 (with HDCP support); 1 VGA
Ports and Connectors	1
Input power	Input voltage: 100 to 240 VAC
Power consumption	Energy Efficiency Class: A; Panel Active Area: 45.8 x 25.76 cm; On-mode power consumption: 19 W; Annual energy consumption: 28 kWh; Power consumption (standby): 0.5 W; Power consumption (off-mode): 0.3 W; Power consumption Description: 28 W (maximum), 23 W (typical), 0.5 W (standby); Screen resolution: FHD (1920 x 1080 @ 60 Hz)
Dimensions with Stand (W x D x H)	48.94 x 36.27 x 19.76 cm
Dimensions without Stand (W x D x H)	48.94 x 30.06 x 4.8 cm
Weight	3 kg (With stand)
Ergonomic features	Tilt: -5 to +11
Multimedia	Two 1 W per channel built-in speakers
Certification and Compliance	CB; CE; UL; CSA; FCC; ICES; TUV-GS; ISO 9241-307; WEEE
Environmental	Arsenic-free display glass; Mercury-free display backlights
Energy Efficiency Compliance	ENERGY STAR [®] certified; EPEAT [®] Silver
What's in the box	Monitor; AC power cable; Audio cable; VGA cable; CD (Includes user guide, warranty, drivers)
Warranty	1-year limited warranty including 1 year of parts and labour. Certain restrictions and exclusions apply.

HP 290 G2 Microtower PC

Messaging Footnotes

- ¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update 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/>
- ² For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36GB of system disk (for Windows 10) is reserved for system recovery software.
- 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.
- ⁴ Sold separately or as an optional feature.
- ⁵ Sold separately or as an optional feature. Wireless access point and Internet service required. Availability of public wireless access points limited.

Technical Specifications Footnotes

- ¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update 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/>
- ² HD content required to view HD images.
- ³ For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows 10) of system disk is reserved for the system recovery software.
- ⁴ Optical drives are optional or add-on features. Duplication of copyrighted material is strictly prohibited. Actual speeds may vary. Double Layer media compatibility will widely vary with some home DVD players and DVD-ROM drives.
- ⁵ Keyboards and mice are optional or add-on features.
- ⁶ EPEAT[®] registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options
- ⁷ Card sold separately.
- ⁸ 1 full-height PCI: Optional on separated PCA.
- ⁹ Wireless cards are optional or add-on features and requires separately purchased wireless access point and Internet service. Availability of public wireless access points limited.
- ¹⁰ Integrated Intel Wi-DI software is available on select models only and requires separately purchased projector, tv or computer monitor with an Integrated or external Wi-DI receiver. External Wi-DI receivers connect to the projector, tv or computer monitor via a standard VGA, HDMI cable, also sold separately.
- ¹¹ Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements. Memory modules support data transfer rates up to 2400 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
- ¹² All power supplies are not available in every region.
- ¹³ McAfee LiveSafe[™]: 1 year subscription.
- ¹⁴ Your product does not support Windows 8 or Windows 7, in accordance with Microsoft's support policy. HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel[®] 8th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>
- ¹⁵ 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.
- ¹⁶ Security cable lock supported (sold separately).
- ¹⁷ TPM 2.0 support (either dTPM or fTPM): TPM feature will not be supported on machine pre-configured with FreeDOS. In some cases, machines pre-configured with Windows OS might ship with TPM turned off.
- ¹⁸ HDMI Port: port will be covered up when discrete graphic card is configured on shipped machine. VGA Port: port will be covered up when discrete graphic card is configured on shipped machine.
- ¹⁹ PS/2 Port: optional on same separated PCA with serial port available as well. Parallel Port: optional via PCIe x1 slot.
- ²⁰ 1 PCIe for selected configurations only.
- ²¹ 1 serial for selected configurations only.

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4AA7-2594, March 2019



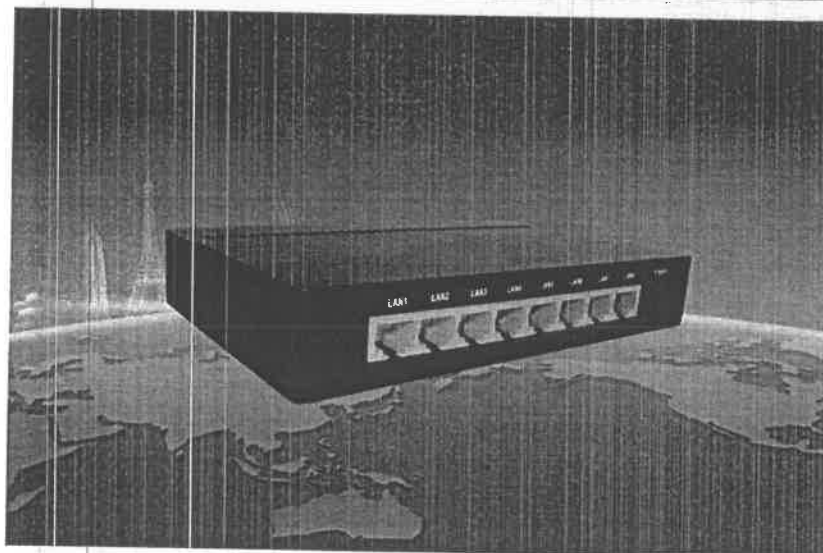
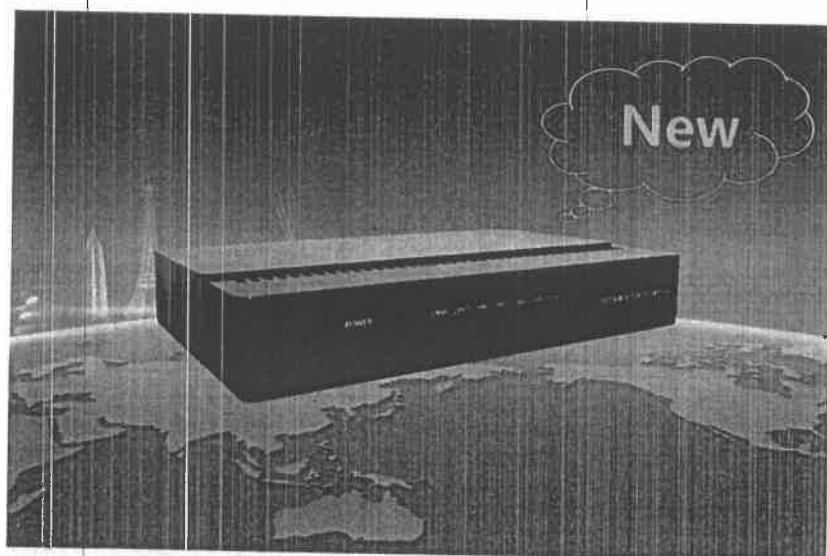
HP 290 G2 Microtower PC Specifications Table



Available Operating Systems	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Home 64 ¹ FreeDOS 2.0
Processor family¹⁸	Intel® Celeron® processor (G4900 is Windows 10 only); 8th Generation Intel® Core™ i3 processor (i3-8100); 8th Generation Intel® Core™ i7 processor (i7-8700); 8th Generation Intel® Core™ i7 + processor (Core™ i7 and Intel® Optane™ memory); 8th Generation Intel® Core™ i5 + processor (Core™ i5 and Intel® Optane™ memory)
Available Processors^{19,24,25}	Intel® Core™ i7-8700 with Intel® UHD Graphics 630 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores); Intel® Core™ i3-8100 with Intel® UHD Graphics 630 (3.6 GHz, 6 MB cache, 4 cores); Intel® Core™ i5-8400 with Intel® UHD Graphics 630 (2.8 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Celeron® G4900 with Intel® UHD Graphics 610 (3.1 GHz, 2 MB cache, 2 cores); Intel® Core™ i5-8500 with Intel® UHD Graphics 630 (3 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores); Intel® Core™ i7+ 8700 (3.2 GHz base frequency, up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB cache, 6 cores); Intel® Core™ i5+ 8500 (3 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 9 MB cache, 6 cores)
Chipset	Intel® H370
Form factor	Microtower
Maximum memory	16 GB DDR4-2666 SDRAM ¹³ Transfer rates up to 2666 MT/s.
Memory slots	2 DIMM
Internal storage	500 GB up to 1 TB 7200 rpm SATA ³ 128 GB up to 512 GB M.2 SSD ³
Optical drive	HP 9.5 mm Slim DVD-Writer ⁴
Available Graphics	Integrated: Intel® HD Graphics 610; Intel® UHD Graphics 630 ^{2,12}
Audio	Realtek ALC3601 codec, internal speaker, combo microphone/headphone jack
Expansion slots	1 PCIe; 1 PCIe x1; 1 PCIe x16; 1 SD media reader; 2 M.2 ^{9,10,24} (1 M.2 slot for WLAN and 1 M.2 2230/2280 slot for storage.)
Ports and Connectors	Front: 1 headphone/microphone combo; 1 SD 3 card reader; 2 USB 3.1 Gen 1 Rear: 1 audio-in; 1 audio-out; 1 HDMI; 1 microphone-in; 1 power connector; 1 RJ-45; 1 VGA; 2 USB 3.1 Gen 1; 4 – USB 2.0; 1 serial ^{22,25} Internal: 1 parallel; 1 PS/2 ²³
Input devices	HP USB Keyboard ⁵ ; HP USB Optical Mouse;
Communications	LAN: Integrated 10/100/1000M GbE ; WLAN: Realtek 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.2 Combo ¹¹ ;
Drive Bays	One 3.5" HDD; One 3.5" (2.5") HDD
Environmental	Operating temperature: 0 to 40°C; Operating humidity: 10 to 90% RH
Available Software	HP Audio Switch; HP Documentation; HP Jumpstart; HP Recovery Manager; HP Setup Integrated OOBE Win10; HP Support Assistant; HP System Event Utility; McAfee LiveSafe™; Buy Office (sold separately) ¹⁶
Security management	Lock slot; Trusted Platform Module TPM 2.0 Embedded Security Chip (SLB9670 - Common Criteria EAL4+ Certified) ^{20,21}
Power	180 W Internal power supply, up to 87% efficiency, active PFC ¹⁴
Dimensions	17 x 33.8 x 27.75 cm (System dimensions may fluctuate due to configuration and manufacturing variances.)
Weight	5.4 kg (Exact weight depends on configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® Silver ⁸
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.

HP

KS108 8-10/100M Ports Fast Ethernet Switch



Features

- Complies with IEEE 802.3, IEEE 802.3u standards
- 8 10/100Mbps Auto-Negotiation RJ45 ports supporting Auto-MDI/MDIX
- Supports IEEE802.3x flow control for Full Duplex mode and backpressure for Half Duplex mode
- Supports MAC address auto-learning and auto-aging
- LED indicators for monitoring power, link and activity
- Plastic case, desktop or wall-mounting design
- External Power Adapter supply