

A black HP desktop computer tower is the central focus of the image. It is positioned on a desk with a blurred background showing a window with a view of a green landscape and a building. The HP logo is visible on the front panel. The image is overlaid with a dark grey circular shape on the left and orange geometric shapes at the top and bottom.

NTS CATALOGUE

August 2024



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NTS Computers SDN BHD, your one-stop shop for all your computer and server needs.

We offer a wide range of refurbished and new products, including workstations, servers, desktop, networking equipment, quadro graphic card, server and computer parts.

We also offer a variety of financing options to make it easy for you to get the technology you need.

We are committed to providing our customers with the best possible products and services at the most competitive prices. We offer a 2-year warranty on workstations and servers, and a 1-year warranty on parts.

Muhammad Syafiq
Director

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PC's

Refurbished PCs from the well-known A-Brands. These are good for home and office use in combination with the inexpensive MAR versions of Microsoft Windows 7 or 10. Because of the price, these PCs are very popular with secondary schools and companies

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Workstations

Refurbished workstations are used for demanding programs that require special systems for intensive use of computing or graphics capacity. From Adobe Autodesk 3D, Indesign, Illustrator, Photoshop, Dreamweaver to high-end video (pre) production and 3D animation. Workstations are also very suitable for music production and entertainment (3D gaming).

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Servers

Refurbished servers are used as fileserver, exchange server, internet server, backup server, virtualization and many other purposes. In today's computer use where more and more applications are moving to the "cloud", servers have become more important than ever.

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Monitors

New and refurbished monitors are an indispensable combination with your PC or Workstation. Salland supplies the right screen for all types of applications. Refurbished notebooks are of high quality and show very little to no traces of wear.

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Software

With refurbished PCs and workstations you can use affordable Microsoft MAR licenses MsWindows and MsOffice. This price saves considerably with so-called OEM or MOLP licenses and is sometimes up to 90% * cheaper.
* for educational use

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Parts

CPU Intel tm processors are indispensable as the heart of almost every PC, Workstation or Server. Choose from the fastest 4 to 14 cores processors in almost new condition.

Videocards Videocards With today's intensive computer use, a fast video card is just as important as a fast processor. NTS delivers the latest hi-end nVidia video cards also used and that saves considerably in price!

Memories/Harddrives

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Information

- What is refurbished - What can NTS do for me - Quotation request / Order
- Warranty conditions - Installation costs - Directions

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Company Profile

NTS Computers Sdn Bhd was established and registered in May 2014 and is our country office from NTS Computer for the Malaysian market. NTS is engaged in the fields of selling high quality refurbished computer equipment such as: PC's, Workstation, Laptops, Screens, Servers, Computer parts & peripherals. NTS parent company is, NTS Computers Technology BV, is based in the Netherlands.

Our office is located in Seri Kembangan, just half hour away from Kuala Lumpur city center.

As one of the premier authorized HP and IBM distributors for refurbished computer equipment in Europe, USA and Asia, NTS has a unique foothold in the computer & server market. It is serving both the business, government and consumer market through different subsidiaries, both national and international.

For over 30 years, its customer-focused, forward-looking approach has made it possible for NTS Computers Technology BV to continue to be one of the only companies in the high-end refurbished workstation and server market. NTS is a limited private company with 50+ employees. With a solid financial capitalization of over USD 2,000,000 it has an AA+ ranking (Dun and Bradstreet) mid-tier ICT Company and belonging to one of the largest refurbished ICT companies in the Netherlands.

Through vast volumes of refurbished high end computers, workstations, laptops and servers which come from expired lease and renting contracts directly from OEM Manufacturers like HP and IBM, a continuous supply of high quality uniform systems are guaranteed.

Mission, Vision & Goals

Mission

Become a leading ICT Company in Asia servicing the high-end refurbished computer and server market through outstanding product quality, maintenance and financial services

Vision

Always listen to the people we serve and follow up everything we promise to do; developing a long term relationships based on mutual trust.

Goals

Delivering high quality refurbished IT equipment to SMEs, corporate entities, governmental organizations, consumers and to our resellers and partners in Malaysia, Thailand and Singapore

Our customers

Our customers are very diversified and we target different groups with different kind of products services:

Companies : Business to Business

Government : Primary schools and universities

Consumers : End customers, primarily through our e-commerce outlet stores such at Lelong and Mudah website.

Resellers : Dealers, brokers, and service providers, both domestic and international.

Solution & Services

Our company is dedicated to providing our customers with total computer solutions for business, industry, schools and individuals. Our company philosophy has always been to help our customers solve their problems and to provide them with service before and after every sale. Customer satisfaction has always been the guiding force of our company since it was founded. NTS provides:

- Quality refurbished components such as memories, harddrives, videocards, cpu's, networkcards, power supplies, blade expansions etc.
- High quality for both refurbished and new computer equipment such as: Workstations, PC's, Laptops, TFT-Screens, Servers, Network equipment Computer parts & peripherals from leading manufacturers like Hewlett Packard, Dell, Lenovo, Supermicro, Cisco, Arista, Juniper.
- Repair, maintenance and help desk support.

NTS is authorized Microsoft Refurbished (MAR) to provide affordable licences for schools and businesses. We offer the following operating software; and Microsoft Windows 10 (Pro and home), Microsoft Windows 11 (Pro and home).

Resources and Strengths

Led by a dynamic management team with a wide spectrum of experience, quality qualifications and years of international work experience, we team with you from start to finish of a project. We have professionals with graduate degrees & diplomas as part of our total staff.

In conjunction with NTS Computers Technology BV, we intend to provide the following products & services;

- Provision of hi-end new & refurbished workstations that serve both heavy program users e.g. AutoCAD, software development, desktop publishing (Photoshop, InDesign, Illustrator), AV-editing, 3D Imaging/Modelling/Rendering, Broadcasting, etc.
- Provision of quality & efficient servers
- TFT Monitors of various sizes & resolution
- Network equipment, including switches and routers, from leading brands such as Cisco, Juniper, Extreme, Aruba, A10 Networks, and more
- Installation & Configuration of Software such as Windows 10/11, Windows Server 2022
- Provision of long-term service warranty

Our technical support teams will provide on-site, quality customer support & will be committed in delivering total satisfaction to customers.

We currently design, develop and customize software for our internal use. Our long-term vision is to create cloud programs and carry out project management, implementation, training and support services.

Our professional staff is kept up-to-date with extensive overseas and local training on the latest technology advances and skills required.

Our project responsibilities will include site-planning, configuring and installing equipment, cabling. A fully equipped electronic workshop staffed by qualified and factory trained technical personnel, facilitates trouble-shooting, repair and modifications.

Our Partners



IBM computer systems offer a range of computers, notebooks and enterprise products and services that are designed to help customers maximize the value of their IT infrastructure. IBM computer Systems understand that power comes from information and your ability to optimize and manage it



Strong partnership with HP, a worldwide information technology services and solutions company, to deliver enterprise wide integrated solutions for institutions & businesses and manage it



NTS is a HPE Business partner, through sales numbers and HP Partner Ready certification. Benefits for customers include: Access to a broad range of technologies, solutions, and services, Warranty support and extensions, High-quality service and support and Competitive pricing.



Partnership with the Microsoft Authorized Refurbisher program which enables NTS to professionally refurbish Windows devices and preinstall genuine Microsoft software, ensuring a great customer experience

Brand: HP
 Model: EliteDesk 800 G5 DM
 Form Factor: Desktop Mini
 Operating System: Win10/11 Pro 64-bit
 Processor type: Core i3/i5/i7 8th Gen;
 Processor GHz: 3.0-4.8GHz
 Memory type: DDR4-2666MHz
 Memory max: 64GB
 Warranty: 24 months
 HDD type: SATA/SSD
 Disk bays: 1x 2.5"
 Optical: Optional
 Controller: Integrated
 Sound: Conexant CX20632
 Network: Intel I219-LM GbE
 Slots: 3x M.2 PCIe
 Chipset: Intel Q370
 Power Supply: 65W/90W/150W 89%
 Spec Sheet: [HP Elitedesk 800 G5](#)

HP EliteDesk 800 G5 Mini



SKU	Model	Processor	RAM	HDD	Software	1+ MYR	10+ MYR	25+ MYR
261480003	EliteDesk 800 G5 DM	Core i5-9500 6C 3.0GHz	8GB	256GB M.2	Win10/11 Pro Mar Cit	1150.00	1095.00	1040.00
261480004	EliteDesk 800 G5 DM	Core i5-9500 6C 3.0GHz	8GB	256GB M.2	Win10/11 Pro Mar Com	1260.00	1205.00	1150.00
261480020	EliteDesk 800 G5 DM	Core i5-9500 6C 3.0GHz	16GB	256GB M.2	Win10/11 Pro Mar Cit	1260.00	1205.00	1150.00
261480021	EliteDesk 800 G5 DM	Core i5-9500 6C 3.0GHz	16GB	256GB M.2	Win10/11 Pro Mar Com	1370.00	1315.00	1260.00

Brand: HP
 Model: Elitedesk 800 G6 DM
 Form Factor: Desktop Mini
 Operating System: Win10/11 Pro 64-bit
 Processor type: Core i3/i5/i7/i9 10th
 Processor GHz: 2.4-4.6GHz
 Memory type: DDR4-3200MHz
 Memory max: 128GB
 Warranty: 24 months
 HDD type: SATA/SSD
 Disk bays: 1x 2.5"
 Optical: Optional
 Controller: Integrated
 Sound: Realtek ALC3867 codec
 Network: Intel I219-LM GbE
 Slots: 3x M.2 PCIe
 Chipset: Intel Q470
 Power Supply: 65W/90W/150W 89%
 Spec Sheet: [HP Elitedesk 800 G6](#)

HP EliteDesk 800 G6 Mini



SKU	Model	Processor	RAM	HDD	Software	1+ MYR	10+ MYR	25+ MYR
261497000	EliteDesk 800 G6 DM	Core i5-10500T 6C 2.3GHz	8GB	256GB M.2	Win10/11 Pro Mar Cit	2030.00	1920.00	1810.00
261497005	EliteDesk 800 G6 DM	Core i5-10500T 6C 2.3GHz	8GB	256GB M.2	Win10/11 Pro Mar Com	2118.00	2008.00	1898.00
261497001	EliteDesk 800 G6 DM	Core i5-10500T 6C 2.3GHz	16GB	256GB M.2	Win10/11 Pro Mar Cit	2195.00	2085.00	1975.00
261497006	EliteDesk 800 G6 DM	Core i5-10500T 6C 2.3GHz	8GB	256GB M.2	Win10/11 Pro Mar Com	2228.00	2118.00	2008.00

Brand: HP
 Model: HP Elitedesk 800 G4
 Form Factor: Small Form Factor
 Operating System: Win10/11 Pro 64-bit
 Processor type: Core i3/i5/i7 8th Gen
 Processor GHz: 3.0-4.7GHz
 Memory type: DDR4-2666MHz
 Memory max: 64GB
 HDD type: SATA/SSD
 Warranty: 24 months
 Disk bays: 1x 2.5"; 2x 3.5"
 Optical: Optional
 Controller: Integrated
 Sound: Conexant CX20632
 Slots: 3x M.2 PCIe
 Network: Intel I219-LM Gbit
 Chipset: Intel Q370
 Power Supply: 250W 92% efficiency
 Spec Sheet: [HP Elitedesk 800G4](#)

HP EliteDesk 800 G4 SFF



SKU	Model	Processor	RAM	HDD	Software	1+ MYR	10+ MYR	25+ MYR
261487000	EliteDesk 800 G4 SFF	Core i5-8500 6C 3.0GHz	8GB	256GB SSD	Win10/11 Pro Mar Cit	1040.00	985.00	930.00
261487002	EliteDesk 800 G4 SFF	Core i5-8500 6C 3.0GHz	8GB	256GB SSD	Win10/11 Pro Mar Com	1183.00	1128.00	1073.00
261487024	EliteDesk 800 G4 SFF	Core i5-8500 6C 3.0GHz	16GB	256GB SSD	Win10/11 Pro Mar Cit	1205.00	1150.00	1095.00
261487033	EliteDesk 800 G4 SFF	Core i5-8500 6C 3.0GHz	16GB	256GB SSD	Win10/11 Pro Mar Com	1293.00	1238.00	1183.00

Brand: HP
 Model: Elitedesk 800 G4 DM
 Form Factor: Desktop Mini
 Operating System: Win10/11 Pro 64-bit
 Processor type: Core i3/i5/i7 8th Gen
 Processor GHz: 2.1-4.0GHz
 Memory type: DDR4-2666MHz
 Memory max: 32GB
 Warranty: 24 months
 HDD type: SATA/SSD/SSHD
 Disk bays: 1x 2.5"
 Optical: Optional
 Controller: Integrated
 Sound: Conexant CX20632
 Network: Intel I219-LM GbE
 Slots: 3x M.2 PCIe
 Chipset: Intel Q370
 Power Supply: 150W 89% efficiency,
 Spec Sheet: [HP Elitedesk 800 G4](#)

HP EliteDesk 800 G4 Mini



SKU	Model	Processor	RAM	HDD	Software	1+ MYR	10+ MYR	25+ MYR
261464007	EliteDesk 800 G4 Mini	Core i5-8500 6C 3.0GHz	8GB	256GB M.2	Win10/11 Pro Mar Cit	985.00	930.00	875.00
261464016	EliteDesk 800 G4 Mini	Core i5-8500 6C 3.0GHz	16GB	256GB M.2	Win10/11 Pro Mar Cit	1040.00	985.00	930.00
261464008	EliteDesk 800 G4 Mini	Core i5-8500 6C 3.0GHz	8GB	256GB M.2	Win10/11 Pro Mar Com	1095.00	1040.00	985.00
261464017	EliteDesk 800 G4 Mini	Core i5-8500 6C 3.0GHz	16GB	256GB M.2	Win10/11 Pro Mar Com	1150.00	1095.00	1040.00

Brand: HP
 Model: HP Elitedesk 800 G5
 Form Factor: Small form factor
 Operating System: Win10/11 Pro 64-bit
 Processor type: Core i3/i5/i7/i9 9th
 Processor GHz: 3.0-4.9GHz
 Memory type: DDR4-2666MHz
 Memory max: 128GB (4x32GB)
 Warranty: 24 months
 HDD type: SATA/SSD
 Disk bays: 3x 2.5"; 1x 3.5"; 1x
 Optical: Optional
 Ports: 4x USB 2.0; 6x USB 3.1
 Controller: Integrated
 Sound: Conexant CX20632
 Network: Intel I219-LM GbE
 Chipset: Intel Q370
 Power Supply: 250W 91/93/90%
 Spec Sheet: [HP Elitedesk 800 G5](#)

HP EliteDesk 800 G5 SFF



SKU	Model	Processor	RAM	HDD	Software	1+ MYR	10+ MYR	25+ MYR
261319002	EliteDesk 800 G5 SFF	Core i5-9500 6C 3.0GHz	8GB	256GB M.2	Win10/11 Pro Mar Cit	1260.00	1205.00	1150.00
261319003	EliteDesk 800 G5 SFF	Core i5-9500 6C 3.0GHz	8GB	256GB M.2	Win10/11 Pro Mar Com	1370.00	1315.00	1260.00

Workstations

Workstations

HP Z8 G4 Workstation

Top-of-the-line power to fuel those who reimagine our world. When you need a workstation with the capability to run complex simulations, handle advanced Machine Learning algorithms and process huge amounts of data, the HP Z8 doesn't disappoint



Extreme Power

Run 3D simulations and edit 8K video in real time with up to 56 processing cores and up to 1.5 TB high-speed memory. Certified for serious software, such as ANSYS or After Effects, you can ideate and iterate more to deliver better work in less time.

Industry-leading design and acoustics

From the inside out, the Z8 is an engineering wonder. The modern exterior provides tool-free access to a clean, modular interior. Strategically placed vents and ducts throughout the system streamline airflow for ultra-quiet performance.

HP's most secure workstations

Advanced security features come standard on every Z8. Rest assured your device, identity and data are safe with security software like HP Client Security Suite Gen3[3] and HP Sure Start Gen3[8], the industry's first self-healing BIOS with intrusion detection.



Brand	HP
Model	Z8 G4
Form Factor	Tower
Processor type	Intel Xeon Platinum/
Processor GHz	1.9-3.8GHz
Memory type	DDR4 ECC SDRAM
Memory max	1.5TB DDR4-2666 ECC
Warranty	24 months
HDD type	SSD/SATA
Disk bays	4x internal 3.5" bay; 2x
Optical	Optional
Controller	Integrated SATA 6.0
Audio	Realtek HD ALC221
Chipset	Intel C622 Chipset
Power Supply	1700W/1450W
Slots	3x PCIe Gen3 x4
Network	Integrated I219LM
Weight	22.4kg
Spec Sheet	HP Z8 G4



SKU	Processor	RAM	HDD	Software	Video Card	1+ MYR	5+ MYR
260861004	2x Xeon Gold 18C 6140 2.3GHz	64GB	512GB SSD + 4TB	Win10/11 Pro Mar Com	Quadro P4000	6210.00	5935.00
260861005	2x Xeon Gold 18C 6150 2.7GHz	64GB	1TB SSD + 4TB	Win10/11 Pro Mar Com	Quadro P4000	7200.00	6925.00
261361038	2x Xeon Gold 16C 6142 2.6GHz	64GB	1TB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P4000	7255.00	6980.00
261361027	2x Xeon Gold 18C 6150 2.7GHz	128GB	1TB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P2000	7365.00	7090.00
261361039	2x Xeon Gold 16C 6142 2.6GHz	128GB	1TB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P5000	7915.00	7640.00
260861001	2x Xeon Gold 18C 6150 2.7GHz	128GB	1TB M.2 + 4TB	Win10/11 Pro Mar Com	Quadro RTX4000	8960.00	8410.00
261361040	2x Xeon Gold 20C 6148 2.4GHz	128GB	1TB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P5000	9015.00	8465.00
260861006	2x Xeon Gold 22C 6152 2.1GHz	128GB	1TB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX4000	9125.00	8575.00
260861009	2x Xeon Gold 18C 6154 3.0GHz	128GB	1TB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX4000	10830.00	10280.00
260861008	2x Xeon Gold 8C 6234 3.3GHz	128GB	1TB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX4000	11820.00	11270.00
260861010	2x Xeon Gold 8C 6234 3.3GHz	128GB	1TB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX A4000	16275.00	15725.00



Brand	HP
Model	Z4 G4
Form Factor	Tower
Processor type	Intel Xeon W-2100
Processor GHz	2.5-4.0GHz
Memory type	DDR4-2666 ECC
Memory max	512GB 2933 ECC and
Warranty	24 months
HDD type	SSD/SATA/SAS
Disk Bays	2x 5.25"; 2x 2.5"/3.5
Optical	Optional
Controller	Integrated Intel®
Audio	Realtek HD ALC221
Chipset	Intel C422 Chipset
Slots	1 PCIe 3 x16; 2 M.2
Network	Realtek HD ALC221
Power Supply	1000W/750W/465W
Weight	10.2kg
Spec Sheet	HP Z4 G4



SKU	Processor	RAM	HDD	Software	Video Card	1+ MYR	5+ MYR
261323010	1x Xeon QC W-2123 3.6GHz	32GB	512GB SSD + 3TB	Win10/11 Pro Mar Com	Quadro P4000	2783.00	2673.00
261323014	1x Xeon QC W-2125 4.0GHz	32GB	512GB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P2000	2910.00	2800.00
261323024	1x Xeon QC W-2125 4.0GHz	32GB	512GB SSD + 3TB	Win10/11 Pro Mar Com	Quadro P2000	2910.00	2800.00
261323026	1x Xeon 6C W-2133 3.6GHz	64GB	512GB SSD + 6TB	Win10/11 Pro Mar Com	Quadro P4000	4010.00	3872.00
261323011	1x Xeon QC W-2123 3.6GHz	64GB	512GB SSD + 3TB	Win10/11 Pro Mar Com	Quadro RTX4000	4395.00	4257.00
261323012	1x Xeon 6C W-2133 3.6GHz	64GB	512GB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX4000	4455.00	4318.00
261323013	1x Xeon 6C W-2133 3.6GHz	128GB	1TB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX4000	5605.00	5330.00
261323046	1x Xeon 8C W-2145 3.7GHz	128GB	1TB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX4000	5935.00	5660.00
260823004	1x Xeon 8C W-2245 3.9GHz	128GB	1TB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX4000	7310.00	7035.00
261323034	1x Xeon 6C W-2133 3.6GHz	64GB	512GB M.2 + 6TB	Win10/11 Pro Mar Com	Quadro RTX A4000	8685.00	8410.00



Feature-rich functionality

The Z4 is ahead of its time with more standard features than any other single processor HP workstation. With multiple configuration options, you can choose the perfect blend of components that meet your performance requirements.

Visualization powerhouse.

Visualize your project anytime with the power to move seamlessly between 3D CAD, rendering and simulation applications. The Z4 can easily handle tasks that require high frequency processing, multiple cores and high-powered GPUs for an optimized design process.

HP's most secure workstations

Advanced security features come standard on every Z4. Rest assured your device, identity and data are safe with security software like HP Client Security Suite Gen3[2] and HP Sure Start Gen3[10] featuring a self-healing BIOS.

HP Z4 G4 Workstation

Perfect for engineering, visualization and Machine Learning, HP's most popular workstation delivers disruptive performance for a wide spectrum of applications. With a choice of Intel® Xeon® or Core™ X processors, and support for dual extreme graphics, you get all you need, nothing more.



Brand **HP**
 Model **Z4 G4**
 Form Factor **Tower**
 Processor type **Core TM i7/i9-series**
 Processor GHz **2.5-4.0GHz**
 Memory type **DDR4-2666 ECC**
 Memory max **512GB 2933 ECC and**
 Warranty **24 months**
 HDD type **SSD/SATA/SAS**
 Disk Bays **2x 5.25"; 2x 2.5"/3.5**
 Optical **Optional**
 Controller **Integrated Intel®**
 Audio **Realtek HD ALC221**
 Chipset **Intel C422 Chipset**
 Slots **1 PCIe 3 x16; 2 M.2**
 Network **Realtek HD ALC221**
 Power Supply **1000W/750W/465W**
 Weight **10.2kg**
 Spec Sheet **HP Z4 G4**

HP Z4 G4 Core i7/i9



SKU	Processor	RAM	HDD	Software	Video Card	1+ MYR	5+ MYR
261323035	Core i7-7800X 6C 3.5GHz	32GB	512GB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P2000	2910.00	2800.00
261323039	Core i7-7800X 6C 3.5GHz	64GB	512GB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P4000	3064.00	2954.00
261323047	Core i9-7920X 12C 2.9GHz	64GB	512GB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro P4000	5165.00	5027.00
261323049	Core i9-7980XE 18C 2.6GHz	128GB	1TB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro RTX A4000	11545.00	10995.00
261323044	Core i9-10940X 14C 3.3GHz	128GB	1TB M.2 + 3TB	Win10/11 Pro Mar Com	Quadro RTX A4000	12040.00	11490.00

Brand **HP**
 Model **Z640**
 Form Factor **Rackable minitower**
 Processor GHz **1.7-3.7GHz**
 Processor type **E5-2600 series**
 Memory type **DDR4-2133/2400**
 Memory max **32GB**
 Warranty **24 months**
 HDD type **Integrated SATA**
 Disk Bays **2x 3.5" bays;**
 Optical **Optional**
 Controller **Integrated SATA**
 Audio **Integrated Realtek HD**
 Chipset **Intel C612**
 Slots **1 PCIe Gen3 x16**
 Network **Integrated Intel I-218**
 Power Supply **925W**
 Weight **15kg**
 Spec Sheet **HP Z640**

HP Z640



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
261334117	2x Xeon 14C E5-2683 v3 2.0GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro M4000	2415.00	2305.00
260834004	2x Xeon 14C E5-2683 v3 2.0GHz	64GB	512GB SSD + 2TB	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	2745.00	2635.00
261334115	2x Xeon 8C E5-2640 v3 2.6GHz	64GB	256GB SSD + 4TB	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	3350.00	3212.00
260834005	2x Xeon 12C E5-2690 v3 2.6GHz	64GB	512GB SSD + 4TB	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	3680.00	3542.00

Brand **HP**
 Model **Z840**
 Form Factor **Rackable Tower**
 Processor GHz **1.7-3.5GHz**
 Processor type **E5-2600 series v3/v4**
 Memory type **DDR4-2133/2400 ECC**
 Memory max **1TB DDR4-2400**
 Warranty **24 months**
 HDD type **SATA /SAS/SSD**
 Disk Bays **4x 3.5" bays;**
 Optical **Optional**
 Controller **Integrated SATA 6.0**
 Audio **Realtek ALC221**
 Chipset **Intel C612 chipset**
 Slots **2x PCI Express Gen3**
 Network **Integrated Intel**
 Power Supply **850W 88% efficient,**
 Weight **21.1kg**
 Spec Sheet **HP Z840**

HP Z840



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
21336098	2x Xeon 12C E5-2690 v3 2.6GHz	32GB	512GB SSD + 4TB	No-DVD	Win10/11 Pro Mar Com	Quadro M4000	3020.00	2910.00
261336055	2x Xeon 14C E5-2683 v3 2.0GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro M4000	3020.00	2910.00
261336073	2x Xeon 14C E5-2680 v4 2.4GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro M4000	3020.00	2910.00
261336071	2x Xeon 14C E5-2690 v4 2.6GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	4065.00	3927.00
261336031	2x Xeon 8C E5-2667 v4 3.2GHz	64GB	512GB SSD + 6TB	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	4285.00	4147.00

Brand **Dell**
 Model **Precision T7810**
 Form Factor **Tower**
 Processor GHz **1.6-3.7GHz**
 Processor type **E5-2600 v4 series**
 Memory type **DDR4 2400MHz**
 Memory max **384GB**
 Warranty **24 months**
 HDD Type **SSD**
 Disk Bays **1x slimline optical bay**
 Optical **Optional**
 Controller **Integrated**
 Audio **Realtek ALC3861**
 Chipset **Intel C621**
 Slots **4 PCIe x16 Gen 2/3**
 Network **Intel i217**
 Power Supply **825W**
 Weight **16.9kg**
 Spec Sheet **Dell Precision T7810**

Dell Precision T7810



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
261385013	2x Xeon 14C E5-2683 v3 2.0GHz	64GB	256GB SSD + 2TB	No-DVD	Win10/11 Pro Mar Com	Quadro K4000	2085.00	1975.00
261385031	2x Xeon 14C E5-2683 v3 2.0GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro M2000	2250.00	2140.00
260485018	2x Xeon 14C E5-2683 v3 2.0GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro M5000	2800.00	2690.00
261385014	2x Xeon 14C E5-2690 v4 2.6GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	3020.00	2910.00
261385015	2x Xeon 14C E5-2690 v4 2.6GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	3625.00	3487.00
261385029	2x Xeon 14C E5-2683 v3 2.0GHz	128GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro P5000	4175.00	4037.00

Brand **HP**
 Model **Z440**
 Form Factor **Mini Tower**
 Processor GHz **2.4-3.5GHz**
 Processor type **E5-1600**
 Memory type **DDR4 2133**
 Memory max **128GB**
 Warranty **24 months**
 HDD type **SATA**
 Disk Bays **2x 3.5" bays**
 Optical **Optional**
 Controller **Integrated Intel**
 Audio **Integrated Realtek HD**
 Chipset **Intel C612**
 Slots **PCIe Gen2 x1;**
 Network **Intel I218-LM**
 Power Supply **700W**
 Weight **12.5kg**
 Spec Sheet **HP Z440**

HP Z440



SKU	Processor	RAM	HDD	Software	Video Card	1+ MYR	10+ MYR
21337056	1x Xeon 6C E5-1650 v3 3.5GHz	16GB	256GB SSD + 1TB	Win10/11 Pro Mar Com	Quadro K2200	1150.00	1095.00
21337078	1x Xeon 6C E5-1650 v4 3.6GHz	16GB	256GB SSD	Win10/11 Pro Mar Com	Quadro M4000	1205.00	1150.00
260837017	1x Xeon 6C E5-1650 v4 3.6GHz	64GB	512GB SSD	Win10/11 Pro Mar Com	Quadro P2000	1205.00	1150.00
261337035	1x Xeon 6C E5-1650 v4 3.6GHz	32GB	256GB SSD + 2TB	Win10/11 Pro Mar Com	Quadro M4000	1865.00	1810.00
21337026	1x Xeon QC E5-1630 v3 3.7GHz	16GB	256GB SSD	Win10/11 Pro Mar Com	Quadro P2000	1920.00	1865.00

Brand **Dell**
 Model **T7820**
 Form Factor **Tower**
 Processor GHz **2.1-3.9GHz**
 Processor type **Xeon Gold/Silver**
 Memory type **DDR4 2933MHz**
 Memory max **768GB**
 Warranty **24 months**
 HDD Type **SSD/SATA/SAS**
 Disk Bays **4x 3.5" SATA**
 Optical **Optional**
 Audio **Realtek ALC3861**
 Chipset **Intel C621**
 Controller **Integrated SATA con-**
 Slots **2x PCIe x16 Gen3 slots**
 Network **Integrated Intel i219**
 Power Supply **950W**
 Weight **15.4kg**
 Spec Sheet **Dell Precision T7820**

Dell Precision T7820



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
261373007	2x Xeon Silver 12C 4116 2.1GHz	64GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	4340.00	4202.00
261373015	2x Xeon Gold 18C 6140 2.3GHz	64GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	4560.00	4422.00
261373004	2x Xeon Gold 18C 6150 2.7GHz	128GB	1TB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	6540.00	6265.00
261373006	2x Xeon Gold 20C 6148 2.4GHz	64GB	1TB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	6760.00	6485.00
261373003	2x Xeon Gold 8C 6134 3.2GHz	128GB	512GB M.2	DVDRW	Win10/11 Pro Mar Com	Quadro P6000	7860.00	7585.00
261373016	2x Xeon Gold 8C 6234 2.3GHz	128GB	1TB M.2 + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro RTX4000	10390.00	9840.00

Brand **Dell**
 Model **Precision T5810**
 Form Factor **Tower**
 Processor GHz **2.1 - 3.9GHz**
 Processor Type **Xeon E5-1600 v4, E5-DDR4 2133 ECC**
 Memory type **256GB**
 Memory max **24 months**
 Warranty **SSD/SATA/SAS**
 HDD Type **1x slimline optical bay**
 Disk Bays **Optional**
 Optical **4 PCIe x16 Gen 2/3**
 Slots **Integrated SATA 6Gb/s**
 Controller **Integrated Realtek**
 Audio **Intel C612 chipset**
 Chipset **Integrated Intel I217**
 Network **685W**
 Power Supply **26.2Kg**
 Weight **Dell Precision T5810**
 Spec Sheet

Dell Precision T5810



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	10+ MYR
261378006	1x Xeon 6C E5-1650 v4 3.6GHz	32GB	256GB SSD + 2TB	No-DVD	Win10/11 Pro Mar Com	Quadro K2200	1260.00	1205.00
261378007	1x Xeon 6C E5-1650 v4 3.6GHz	64GB	256GB SSD + 2TB	No-DVD	Win10/11 Pro Mar Com	Quadro M4000	1865.00	1810.00

Brand **Lenovo**
 Model **Thinkstation P510**
 Form Factor **Tower**
 Processor GHz **2.0 - 3.7GHz**
 Processor Type **Xeon E5-1600 v4, E5-DDR4 2400MHz**
 Memory type **256GB DDR4**
 Memory max **24 months**
 Warranty **SATA/SSD**
 HDD Type **2x 5.25"; 2x 3.5"**
 Disk Bays **Optional**
 Optical **Integrated**
 Controller **Realtek ALC662**
 Audio **Intel C612**
 Chipset **2x PCIe x16, 2x PCIe**
 Slots **Integrated i218LM**
 Network **490W 90% Efficient**
 Power Supply **22.6kg**
 Weight **Thinkstation P510**
 Spec Sheet

Lenovo **Lenovo Thinkstation P510**



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
261375003	1x Xeon 6C E5-1650 V4 3.5GHz	32GB	256GB SSD	No-DVD	Win10/11 Pro Mar Com	Quadro M4000	1535.00	1480.00
260975000	1x Xeon QC E5-1650 V4 3.5GHz	16GB	512GB SSD	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	1645.00	1590.00

Brand **Dell**
 Model **Precision T5820**
 Form Factor **Tower**
 Processor GHz **3.6-4.0GHz**
 Processor type **Xeon 4C- 6C W-2100**
 Memory type **DDR4 2666/2933**
 Memory max **512GB DDR4**
 Warranty **24 months**
 HDD Type **SSD**
 Optical **Optional**
 Slots **4 PCIe x16 Gen 2/3**
 Controller **Integrated**
 Audio **Realtek ALC3861**
 Chipset **Intel C422**
 Disk Bays **2x 3.5", 1x 5.25, 1x**
 Network **Intel i217**
 Power Supply **425W**
 Weight **12.4Kg**
 Spec Sheet **Dell Precision T5820**

Dell Precision T5820



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
261368007	1x Xeon QC W-2125 4.0GHz	32GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	2360.00	2250.00
261368009	1x Xeon 6C W-2133 3.6GHz	32GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	2470.00	2360.00
261368008	1x Xeon QC W-2125 4.0GHz	32GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	2965.00	2855.00
261368010	1x Xeon 6C W-2133 3.6GHz	64GB	1TB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	3515.00	3377.00
261368015	1x Xeon 4C W-2145 3.7GHz	64GB	1TB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro RTX 4000	4835.00	4697.00
261368016	1x Xeon 8C W-2245 3.9GHz	64GB	1TB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro RTX 4000	6100.00	5825.00

Brand **Lenovo**
 Model **Thinkstation P520**
 Form Factor **Tower**
 Processor GHz **2.3 - 4.0GHz**
 Processor Type **Xeon W-2100, W-2200**
 Memory type **DDR4**
 Memory max **512GB RDIMM**
 Warranty **24 months**
 HDD Type **SATA/SSD**
 Disk Bays **2x 3.5"; 4x 3.5"**
 Optical **Optional**
 Controller **Integrated SATA**
 Audio **Realtek ALC662**
 Chipset **Intel C422 chipset**
 Slots **2x PCIe 3.0 x16, 1x**
 Network **Integrated 1219-LM**
 Power Supply **690W/900W/1000W**
 Weight **24Kg**
 Spec Sheet **Thinkstation P520**

Lenovo **Lenovo Thinkstation P520**



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
261389011	1x Xeon 4C W-2125 4.0GHz	32GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	1920.00	1865.00
261389014	1x Xeon 6C W-2135 3.7GHz	32GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P1000	1920.00	1865.00
261389012	1x Xeon 6C W-2133 3.6GHz	32GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	2085.00	1975.00
261389013	1x Xeon 6C W-2133 3.6GHz	64GB	1TB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	2910.00	2800.00
260989000	1x Xeon 8C W-2145 3.7GHz	64GB	512GB SSD	No-DVD	Win10/11 Pro Mar Com	Quadro RTX 4000	3845.00	3707.00
260989010	1x Xeon 8C W-2145 3.7GHz	128GB	512GB SSD	No-DVD	Win10/11 Pro Mar Com	Quadro RTX 4000	5275.00	5137.00

Brand **HP**
 Model **Z8 G5**
 Form Factor **Tower**
 Processor type **Xeon Gold/Silver 4th**
 Processor GHz **3.84-4.1GHz**
 Memory type **DDR5-4800 ECC**
 Memory max **1TB DDR-4800 ECC**
 Warranty **36 months**
 HDD type **SSD/SATA**
 Disk bays **Internal: 6x PCIe M.2**
 Optical **Slim DVD-ROM, Blu-**
 Controller **Integrated SATA 6.0**
 Audio **Realtek HD ALC3205-**
 Chipset **Intel C741**
 Power supply **1700w/1450W/1125W**
 Slots **1x PCIe 3 x8;2x PCIe**
 Network **Integrated I219LM**
 Weight **22.5Kg**
 Spec Sheet **HP Z8 G5**

HP Z8 G5



SKU	Processor	RAM	HDD	Software	Video Card	1+ MYR	5+ MYR
260830000	2x Xeon Gold 24C 5418Y 2.0GGHz	64GB	1TB SSD	Win11 Pro64	Quadro RTX A4000	23040.00	22490.00

Brand **Lenovo**
 Model **Thinkstation P720**
 Form Factor **Tower**
 Processor GHz **2.2 - 2.7GHz**
 Processor Type **2x Intel Xeon 8-20C**
 Memory type **DDR4 2400 MHz RDIMM-**
 Memory max **128GB**
 Warranty **24 months**
 HDD Type **SSD**
 Disk Bays **2x external 5.25" bays;**
 Optical **DVD**
 Audio **Realtek ALC662**
 Controller **Integrated**
 Slots **2 PCI Express Gen1**
 Network **Integrated**
 Chipset **Intel C236**
 Power Supply **920W**
 Weight **25.7Kg**
 Spec Sheet **Thinkstation P720**

Lenovo **Lenovo Thinkstation P720**



SKU	Processor	RAM	HDD	Optical	Software	Video Card	1+ MYR	5+ MYR
260989005	2x Xeon 18C Gold 6140 2.3GHz	64GB	512GB M.2	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	4395.00	4257.00
261389008	2x Xeon 18C Gold 6150 2.7GHz	64GB	512GB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro P2000	5330.00	5192.00
260989006	2x Xeon 18C Gold 6140 2.3GHz	128GB	1TB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro P4000	5770.00	5495.00
260989011	2x Xeon 8C Gold 6234 3.3GHz	128GB	1TB SSD + 3TB	No-DVD	Win10/11 Pro Mar Com	Quadro RTX 4000	10115.00	9565.00

HP Gamestations

HP reliability, the power for gamers. With our HP Game Stations you are ready to game while you can rely on the stability of an HP Workstation. The HP Game Stations have been selected based on graphic highlights, fast CPUs, sufficient memory and storage.

Graphic:

Our HP Game Stations are equipped with the latest graphics from NVIDIA.

RTX 3050 6GB:

Accelerate ray tracing performance with dedicated Ray Tracing Cores. Enhance your webcam and microphone with the free AI-powered Broadcast app. Enjoy higher resolution video in vibrant HDR with RTX Video

RTX 3060 12GB:

This gives you twice the raster performance and 10x the ray tracing performance of the GeForce GTX 1060 - a huge increase. The GeForce RTX 3060 has the power to amaze you with immersive ray-traced effects in Control, Cyberpunk 2077, Fortnite, Minecraft with RTX for Windows 10, Watch Dogs: Legion and many other titles



RTX 4070 TI 16GB:

1440p is a sweet spot for many avid gamers. The number of pixels is 78% higher than 1080p, significantly increasing graphic clarity and details. High refresh rate 1440p monitors are widely available at great prices. And there are now Graphics cards available that can play the latest titles at 1440p, maximum settings and high frame rates. The GeForce RTX 4070 Ti is perfect for these PC gamers, thanks to the 7680 CUDA cores and 12 GB of super-fast GDDR6X memory!



Performance:

Naturally, the HP Game Stations are equipped with high-end components. These ensure the trust usability as you expect from the HP Workstation. The HP Game Stations are equipped with:

- Intel Xeon CPU (of dual CPU in the Z8 G4)
- SSD of Z Turbo drive for the operating system
- 2TB hard drive to save your games
- 16-64GB RAM (depending on the system, more memory possible on request)
- Windows 10 Professional NL of UK preinstalled

Brand	HP	HP	HP	HP
Model	Z4 G4 Workstation	Z4 G4 Workstation	Z8 G4 Workstation	Z2 G9 Workstation
Form Factor	Tower	Tower	Tower	Minitower
Processor type	Core TM i9-X Series	Core TM i9-X Series	Intel Xeon Platinum/Gold/Silver	Core TM i9/i7-K Series
Memory type	DDR4-2666 Non-ECC SDRAM	DDR4-2666 Non-ECC SDRAM	DDR4 ECC SDRAM	DDR4 EEC Reg
Warranty	24 Months	24 Months	24 months	24 months
HDD type	SSD/SATA/SAS	SSD/SATA/SAS	SSD/SATA/SAS	SATA of SSD
HDD max	2TB SSD	2TB SSD	2TB SSD, 8TB SATA	20TB
Disk Bays	2x 5.25"; 2x 2.5"/3.5	2x 5.25"; 2x 2.5"/3.5	4x 3.5"; 2x 5.25"; 1x Slimline	4x3.5"
Controller	Intel VROC NVMe SSD	Intel VROC NVMe SSD	MicroSemi SmartHBA2100-4i4e	Integrated
Optical	Optional	Optional	Optional	DVDRW
Audio	Realtek HD ALC221	Realtek HD ALC221	Realtek HD ALC221	Realtek HD ALC221
Chipset	Intel X299	Intel X299	Intel C612	Intel C612
Network	Intel Ethernet I210-T1	Intel Ethernet I210-T1	Intel I218LM	Intel I218LM
Slots	1 PCIe 3 x16; 2 M.2 PCIe 3 x4	1 PCIe 3 x16; 2 M.2 PCIe 3 x4	3x PCIe Gen3 x4 4x PCIe Gen3 x16	6-channel SATA
Power supply	1000W 90% efficient	1000W 90% efficient	1700W/1450W/1125W 90% ef-	850W
Raid	RAID 0, 1 and 1, 0	RAID 0, 1 and 1, 0	Integrated 0, 1, 10	0, 1, 5 and 10
Weight	Min: 10.2kg, Max: 17.3kg	Min: 10.2kg, Max: 17.3kg	Min: 22.4kg, Max: 31.7kg	22.8kg
Spec Sheet	HP Z4 G4	HP Z4 G4	HP Z8 G4	HP Z2 G9

SKU	261323047	261323044	260861009	260827000
Processor	Core i9-7920X 12C 2.9GHz	Core i9-10940X 14C 3.3GHz	2x Xeon Gold 18C 6154 3.0GHz	Core i7-13700K 16C 2.1GHz
Memory	64GB	128GB	32GB	16GB
SSD	512GB M.2	1TB M.2	1TB M.2	512GB M.2
HDD	3TB SATA	3TB SATA	6TB SATA	3TB SATA
Optical	No-DVD	No-DVD	No-DVD	No-DVD
Software	Win10/11 Pro Mar Com	Win10/11 Pro Mar Com	Win10/11 Pro Mar Com	Win10/11 Pro Mar Com
Video Card	RTX 3060 8GB	RTX 4070 TI 16GB	RTX 4070 TI 16GB	RTX 3060 8GB
Price ex. VAT	MYR 5528	MYR 10665	MYR 11743	MYR 10225

Additional cost options for PCs and Workstations

SKU	Keyboard	1+ MYR
920-002534	Logitech MK120 Keyboard Azerty + Optical Mouse (new)	96
920-002562	Logitech MK120 Keyboard US Qwerty + Optical Mouse (new)	105
Memories		1+ MYR
	HP 4GB DDR4-17000/19200 ECC Reg Z640/Z840	20
	HP 8GB DDR4-17000/19200 ECC Reg Z640/Z840	40
	HP 16GB DDR4-17000/19200 ECC Reg Z640/Z840	79
	HP 32GB DDR4-17000/19200 ECC Reg Z640/Z840	158
10113057	HP 8GB DDR4-21300 (2666) ECC Reg Z4/Z6/Z8	53
480113006	HP 16GB DDR4-21300 (2666) ECC Reg Z4/Z6/Z8	106
480113059	HP 32GB DDR4-21300 (2666) ECC Reg Z4/Z6/Z8	211
	3 Year Warranty instead of 2 Years	+5%
	5 Year Warranty instead of 2 Years	+15%
SA400S37/240G	Additional charge Kingston 240GB SSD (new) instead of 250/500GB SATA	66
903106-003	Additional charge 512GB SSD (Used) instead of 256GB SSD	66
MZ-N6E500BW	Samsung 850 EVO 500GB SSD (new)	358
	Additional charge 1TB HDD SATA-600 instead of 500GB SATA	72
	Additional charge 2TB HDD SATA-600 instead of 1TB SATA	105
	Additional charge 4TB HDD SATA-600 instead of 2TB SATA	171
	Additional charge 6TB HDD SATA-600 instead of 3TB SATA	358
Operating Systems		1+ MYR
T5D-03183	Microsoft Office Home und Business 2021 - Licence - 1 PC - Win - NL/UK	1150
79G-05018	Microsoft Office Home und Student 2021 - Licence - 1 PC - Win - NL/UK	105
40508010	Additional charge per system MS Window 10 /11 Pro Cit NL (Education)	83
40508009	Additional charge per system MS Windows 10/11 Pro Mar NL (Business)	165



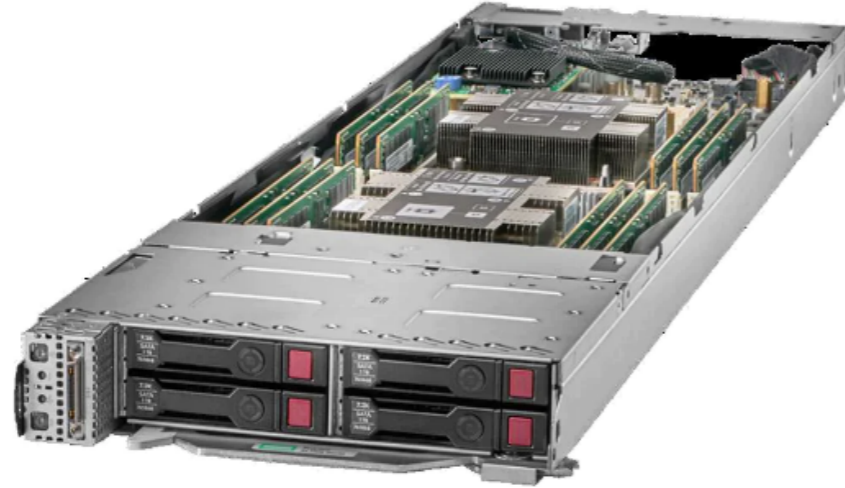
Workstations

Workstations

HPE Apollo 6000 Gen10 System

The HPE Apollo 6000 Gen10 system delivers excellent computing performance with rack-level air-cooled density and flexibility to adapt the system to the most demanding HPC workload requirements, for an exceptional price/performance ratio.

All HPE Apollo 6000 Gen10 systems support the latest high-bandwidth, low-latency interconnect technologies. Choose between InfiniBand, which provides the performance and scalability needed for HPC clusters and data center applications, or Intel OPA, which delivers and scales HPC workloads to tens of thousands of servers.



Industry leading technology and performance

Achieve 323 TFLOPS per rack with the Intel® Xeon® Processor Scalable family that delivers up to 2x performance improvement over previous generation processors

An architecture that is future-proof to support emerging technologies

Rack-scale efficiency

Take advantage of rack-level reliability, availability, maintainability, and manageability (RASM) features through an integrated design

Quickly deploy, maintain, and manage compute and storage with front-access cold aisle nodes

Eliminate stranded switch ports with an optimized design aligned with fabric radix

Key features:

- 12U air-cooled chassis
- 24 front accessible nodes

Highly integrated chassis:
Hot-plug redundant power supplies with common cooling

A choice of high-speed InfiniBand Enhanced Data Rate (EDR) or Intel Omni-Path Architecture (OPA) switches
10GbE switch or pass-through module

Technical specifications:

HPE Apollo Gen10 system power architecture

Extreme compute configuration	Typical configuration
N + 0 (15.9 kW)	N + 1 (13.2 kW)
Node of 2 x 165 W SKL	Node of 2 x 145 W SKL
12 DDR4 DIMMs	12 DDR4 DIMMs
2 SATA HDDs	2 SATA HDDs
2 x EDR Mezzanine Adapter + switch	EDR Mezzanine Adapter + switch
2 x 10/40GbE switch	10/40GbE switch
APM module	APM module

HPE Apollo System Management

HPE iLO5	- Integrated, advanced baseboard management and monitoring - iLO Advanced software available for remote management
Apollo Platform Manager (APM) —optioneel	- Extensive energy management function - Static and adjustable dynamic power limitation - Third party management interfaces
HPE Insight Cluster Management-utility (CMU)	- Complete management of HPC and Big Data clusters in a single window - “Borderless” architecture that scales to clusters of any size
HPE OneView	- Interface for single enterprise and data center management - Dynamic discovery and monitoring
Apollo-chassis controller	

Brand	HP
Model	ProLiant XL230k Gen10
Form Factor	Enclosure
Processor max	2x
Processor Type	Xeon Platinu/Gold
Memory type	DDR4 2666MHz
Memory max	1024 GB (16 x 64 GB)
Warranty	24 maanden
HDD Type	SAS/SATA/NVMe
HDD Max	8x 3.84TB / 24x 3.84TB
Disk Bays	8x 2.5"
Optical	DVD-ROM/RW
Rails	Non included
Controller	E208i-p / P408i-p
Raid	Embedded SW RAID
Network	2 x 10GbE
Chipset	Intel C622
Power Supply	2650W
Weight	66.68kg
Spec Sheet	HPE Apollo K6000

hp HPE Apollo K6000 Enclosure



SKU	Processor	RAM	HDD	Bays	Acc.	1+ MYR	5+ MYR
168113006	2x Xeon Gold 18C 6150 2.7GHz	128GB	1x 960GB SSD	24x XL230k Gen10	2x 2650W PSU	133480.00	132930.00
168113007	2x Xeon Gold 16C 6142 2.6GHz	128GB	1x 960GB SSD	24x XL230k Gen10	2x 2650W PSU	133480.00	132930.00
168113008	2x Xeon Gold 20C 6148 2.4GHz	128GB	1x 960GB SSD	24x XL230k Gen10	2x 2650W PSU	146845.00	146295.00
168113009	2x Xeon Gold 20C 6148 2.4GHz	256GB	1x 960GB SSD	24x XL230k Gen10	2x 2650W PSU	169835.00	169285.00

Model **HP ML350 Gen10**
 Form Factor **Rackmount 4U**
 Processor max **2x**
 Processor type **Xeon Scalable**
 Memory type **DDR4**
 Memory max **3TB LRDIMM, 1.5TB**
 Warranty **2 year Carry-in**
 HDD type **SAS/SATA/SSD**
 HDD max **SFF: SAS/SATA 52TB,**
8SFF
 Disk Bays **Optional**
 Optical **HPE Smart Array**
 SAS Controller **HPE Smart Array S100i**
 Raid **HPE Ethernet 1Gb**
 Network **500W HPE FlexSlot**
 Power Supply **Included**
 Rails **SFF 46.25 x 64.8 x**
42kg
 Dimensions **HP ML350 Gen10**
 Weight **HP ML350 Gen10**
 Spec Sheet

HPE Proliant ML350 Gen10



SKU	Model	Processor	RAM	HDD	Raid	Acc.	1+ MYR	5+ MYR
168135008	HPE ML350 Gen10	2x Xeon Gold 20C 6142 2.6GHz	128GB	3x 1.92TB SSD	P408i-a SR	2x PSU	11050.00	10500.00
168135007	HPE ML350 Gen10	2x Xeon Gold 18C 6150 2.7GHz	256GB	3x 1.92TB SSD	P408i-a SR	2x PSU	12315.00	11765.00
168135005	HPE ML350 Gen10	2x Xeon Gold 18C 6150 2.7GHz	128GB	3x 960GB SSD	P408i-a SR	2x PSU	12810.00	12260.00

Model **HP DL380 Gen11**
 Form Factor **Rackmount 2U**
 Processor max **2x**
 Processor type **Xeon E5-2600v3,**
DDR4 2133/2400MHz,
 Memory type **3TB LRDIMM,768GB**
 Memory max **2 year Carry-in**
 Warranty **SAS/SATA/SSD**
 HDD type **SFF: SAS/SATA 52TB,**
8/12SFF/12LFF
 HDD max **Optional**
 Disk Bays **HPE Dynamic Smart**
 Optical **0, 1, 10, 5 SATA**
 SAS Controller **HPE Embedded 1Gb**
 RAID **500/800W Flex Slot**
 Network **Not included**
 Power Supply **SFF: 8.73 x 44.55 x**
14.76 kg
 Dimensions **HPE DL380 Gen11**
 Weight **HPE DL380 Gen11**
 Spec Sheet

HPE Proliant DL380 Gen11



SKU	Model	Processor	RAM	HDD	Raid	Acc.	1+ MYR	5+ MYR
168148001	HPE DL380 Gen11	1x Xeon Gold 16C 5416S 2.0GHz	32GB	-	MR408i-o	1x PSU, Rails	21115.00	20565.00
168148002	HPE DL380 Gen11	1x Xeon Gold 16C 6430 2.1GHz	64GB	-	MR408i-o	1x PSU, Rails	24580.00	24030.00

Model **HPE Proliant ML350**
 Form Factor **Rackmount 4U**
 Processor max **2x**
 Processor type **Xeon Scalable**
 Memory type **DDR5 4800/5600MHz**
 Memory max **8TB (32x256GB)**
 Warranty **2 year Carry-in**
 HDD type **Hot Plug SAS/SATA/**
LFF: SAS/SATA 240TB,
4 LFF, 8 SFF
 HDD max **Optional**
 Disk Bays **HPE Smart Array**
 Optical **0, 1, 10, 5 SATA**
 SAS Controller **HPE Embedded 1Gb**
 RAID **Not included**
 Network **Tower: 46.2 x 71.2 x**
SFF: 37.18 kg
 Dimensions **HPE ML350 Gen11**
 Weight **HPE ML350 Gen11**
 Spec Sheet

HPE Proliant ML350 Gen11



SKU	Model	Processor	RAM	HDD	Raid	Acc.	1+ MYR	5+ MYR
168158000	HPE ML350 Gen11	1x Xeon Silver 12C 4410Y 2.0GHz	32GB	-	MR408i-o	1x PSU, Rails	18585.00	18035.00
168158001	HPE ML350 Gen11	1x Xeon Silver 20C 4416+ 2.0GHz	32GB	-	MR408i-o	1x PSU, Rails	22985.00	22435.00

Brand **Lenovo**
 Model **X3650 M5**
 Form Factor **Rackmount 2U**
 Processor type **Intel E5-26xx V3/V4**
 Processor Max **2x**
 Memory type **2133 RDIMM/LRDIMM**
 Memory Max **upto 1.5TB**
 Harddisk **SAS/SATA/SSD**
 Optical **None**
 Graphics **Matrox G200eR2**
 Optical **Optional**
 Rails **Not Included**
 Network **4x Integrated RJ-45**
 Controller **ServeRAID M5210**
 Connections **1x USB 3.0, 2x USB 2.0**
 Power Supply **550W, 750W, 900W**
 Chipset **Intel C612**
 Warranty **2 Year**
 Weight **Min 19kg; Max 34Kg**
 Spec Sheet **Lenovo X3650 M5**

Lenovo Lenovo X3650 M5



SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
21837001	Lenovo X3650 M5	2x Xeon 10C E5-2650 v3 2.3GHz	32GB	3x 300GB SAS 10k	2x PSU, Rails	1370.00	1315.00	1260.00
261637002	Lenovo X3650 M5	2x Xeon 14C E5-2680 v4 2.4GHz	64GB	3x 600GB SAS 10k	2x PSU, Rails	2690.00	2580.00	2470.00
168237005	Lenovo X3650 M5	2x Xeon 14C E5-2690 v4 2.6GHz	64GB	3x 960GB SSD	2x PSU, Rails	4175.00	4037.00	3900.00
261637004	Lenovo X3650 M5	2x Xeon 8C E5-2667 v4 3.2GHz	64GB	3x 960GB SSD	2x PSU, Rails	4450.00	4312.00	4175.00

Model **Supermicro CSE-829U**
 Form factor **2U**
 Processor **Dual and Single Intel**
 Memory type **DDR4 SDRAM**
 Disk drive bays **SAS/SATA**
 Network **2 Network Activity**
 Weight **24.95kg**
 Warranty **1 year**
 Spec Sheet **Supermicro CSE-829U**

Supermicro CSE-829U



SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
261684001	Supermicro CSE-829U	2x Xeon 14C E5-2690 v4 2.6GHz	64GB	5x 4TB SAS	2x PSU, Rails	2690.00	2580.00	2470.00
168884002	Supermicro CSE-829U	2x Xeon 14C E5-2690 v4 2.6GHz	128GB	5x 8TB SATA	2x PSU, Rails	4615.00	4477.00	4340.00
168884006	Supermicro CSE-829U	2x Xeon 14C E5-2690 v4 2.6GHz	128GB	5x 960GB SSD	2x PSU, Rails	4780.00	4642.00	4505.00

Brand **Lenovo**
 Model **X3550 M5**
 Form Factor **Rackmount 1U**
 Processor type **Intel E5-26xx V3/V4**
 Processor Max **2x**
 Memory type **2400 RDIMM/LRDIMM**
 Memory Max **768GB (24x32GB)**
 Harddisk Max **Up to 92TB**
 Optical **Optional**
 Graphics **Matrox G200eR2**
 Rails **Not Included**
 Network **4x integrated RJ-45**
 Controller **12 Gb SAS/6 Gb SATA**
 Connections **2x USB 3.0, 1x VGA**
 Power Supply **550W, 750W, 900W**
 Chipset **Intel C612**
 Warranty **2 Year**
 Weight **Min 13.8kg, Max**
 Spec Sheet **Lenovo X3550 M5**

Lenovo Lenovo X3550 M5



SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
261636005	Lenovo X3550 M5	2x Xeon 8C E5-2667 v4 3.2GHz	64GB	3x 960GB SSD	2x PSU, Rails	3900.00	3762.00	3625.00

Model **Supermicro CSE-819U**
 Form factor **1U**
 Processor **Supports dual Intel / E5-2600 v4**
 Chipset **DDR4 SDRAM 72-bit**
 Memory Type **512GB**
 Memory max **SAS**
 Disk drive bays **1x Realtek RTL8211E**
 Network **16.4Kg**
 Weight **1 Year**
 Warranty **Supermicro CSE-819U**
 Spec Sheet

Supermicro CSE-819U



SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
261681013	Supermicro CSE-819U	2x Xeon 14C E5-2683 v3 2.0GHz	64GB	3x 4TB SAS	2x PSU, Rails	1755.00	1700.00	1645.00
261681015	Supermicro CSE-819U	2x Xeon 14C E5-2690 v4 2.6GHz	64GB	5x 4TB SAS	2x PSU, Rails	2250.00	2140.00	2030.00
168881003	Supermicro CSE-819U	2x Xeon 14C E5-2690 v4 2.6GHz	128GB	4x 8TB SATA	2x PSU, Rails	4010.00	3872.00	3735.00
168881002	Supermicro CSE-819U	2x Xeon 14C E5-2680 v4 2.4GHz	128GB	5x 960GB SSD	2x PSU, Rails	5770.00	5495.00	5220.00
168881004	Supermicro CSE-819U	2x Xeon 14C E5-2690 v4 2.6GHz	128GB	3x 3.84TB SSD	2x PSU, Rails	6540.00	6265.00	5990.00

Model **Supermicro CSE-848X**
 Form factor **4U**
 Processor **Supports dual Intel / E7-4800**
 Chipset **DDR4 SDRAM 72-bit**
 Memory Type **3TB**
 Memory max **SATA/SAS/SSD**
 Disk drive bays **2 Network Activity**
 Network **24.95Kg**
 Weight **1 Year**
 Warranty **Supermicro CSE-848X**
 Spec Sheet

Supermicro CSE-848X



SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
261686004	Supermicro CSE-848X	4x Xeon 12C E7-4850 v2 2.3GHz	128GB	5x 800GB SSD	2x PSU, Rails	3185.00	3075.00	2965.00

Servers

Servers

Brand	Lenovo
Model	SR850
Form Factor	Rackmount 2U
Processor type	Scalable processors
Processor Max	2x or 4x
Memory type	DDR4 2666/2933MHz
Memory Max	Up to 6TB
Harddisk	SAS/SATA/SSD
Optical	Optional
Graphics	Optional
Rails	Optional
Network	Integrated 10Gb
Controller	12 Gb SAS/SATA
Connections	1x USB 3.0, 2x USB 2.0
Power Supply	750W/1100W/1600W
Chipset	Intel C624
Warranty	2 Year
Weight	27kg
Spec Sheet	Lenovo SR850

Lenovo Lenovo SR850



Refurb

SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
168241001	Lenovo SR850	4x Xeon Gold 22C 6152 2.1GHz	128GB	3x 1.92TB SSD	2x PSU, Rails	7420.00	7145.00	6870.00
168241002	Lenovo SR850	4x Xeon Gold 18C 6154 3.0GHz	256GB	3x 960GB SSD	2x PSU, Rails	13195.00	12645.00	12095.00
168241003	Lenovo SR850	4x Xeon Gold 20C 6248 2.5GHz	256GB	3x 960GB SSD	2x PSU, Rails	17045.00	16495.00	15945.00
168241009	Lenovo SR850	4x Xeon Gold 20C 6234 3.3GHz	256GB	3x 3.84TB SSD	2x PSU, Rails	21005.00	20455.00	19905.00

Brand	Lenovo
Model	SR650
Form Factor	Rackmount 2U
Processor type	Scalable processors
Processor Max	2x
Memory type	DDR4 2666/2933MHz
Memory Max	Up to 7.5TB
Harddisk	SAS/SATA/SSD
Optical	Optional
Graphics	Matrox G200e
Rails	Optional
Network	Integrated 10Gb
Controller	12 Gb SAS/SATA
Connections	1x USB 2.0, 2x USB 3.0
Power Supply	550W/750W/1100W
Chipset	Intel C624
Warranty	2 Year
Weight	32kg
Spec Sheet	Lenovo SR650

Lenovo Lenovo SR650



Refurb

SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
168296001	Lenovo SR650	2x Xeon Gold 18C 6150 2.7GHz	128GB	3x 1.92TB SSD	2x PSU, Rails	8685.00	8410.00	8135.00
168296005	Lenovo SR650	2x Xeon Gold 22C 6152 2.1GHz	128GB	3x 3.84TB SSD	2x PSU, Rails	9400.00	7288.00	8850.00
168296006	Lenovo SR650	2x Xeon Gold 20C 6234 3.3GHz	128GB	3x 3.84TB SSD	2x PSU, Rails	13140.00	71420.00	12590.00

Brand	Lenovo
Model	Thinksystem SR630
Form Factor	Rackmount 1U
Processor type	Scalable processors
Processor Max	2x
Memory type	DDR4 2666MHz
Memory Max	Up to 3TB
Harddisk	SAS/SATA/SSD
Optical	Optional
Graphics	Matrox G200e
Rails	Optional
Network	Integrated 10Gb
Controller	12 Gb SAS/SATA
Connections	1x USB 2.0, 2x USB 3.0
Power Supply	550W/750W/1100W
Chipset	Intel C624
Warranty	2 Year
Weight	18.8kg
Spec Sheet	Lenovo SR630

Lenovo Lenovo SR630



Refurb

SKU	Model	Processor	RAM	HDD	Acc.	1+ MYR	5+ MYR	10+ MYR
168226001	Lenovo SR630	2x Xeon Gold 18C 6150 2.7GHz	128GB	3x 1.92TB SSD	2x PSU, Rails	8355.00	8080.00	7805.00
168226005	Lenovo SR630	2x Xeon Gold 22C 6152 2.1GHz	128GB	3x 3.84TB SSD	2x PSU, Rails	9620.00	9070.00	8520.00
168226006	Lenovo SR630	2x Xeon Gold 20C 6234 3.3GHz	128GB	3x 3.84TB SSD	2x PSU, Rails	13360.00	12810.00	12260.00

23 Inch TFT



HP EliteDisplay E232

23", 1920 x 1080, Height Adjustable

Connection VGA, Displayport, HDMI

Color bezel Black

SKU No. 260315001

Part No. E232

MYR Grade-A **1+ 435.00 10+ 380.00**



HP EliteDisplay E231

23", 1920 x 1080, Height Adjustable

Connection VGA, Displayport, DVI-D

Color bezel Black

SKU No. 21706002

Part No. E231

MYR Grade-A **1+ 435.00 10+ 380.00**



Tablets



Wacom Cintiq Pro 32 Touch

32", 1920 x 1080, Height Adjustable

Connection USB-C, Displayport, HDMI

Color bezel Black

SKU No. 170905000

Part No. 170905000

MYR Grade-A **1+ 6320.00 10+ 6006.00**



Wacom Cintiq Pro 32 Touch

32", 1920 x 1080, Height Adjustable

Connection USB-C, Displayport, HDMI

Color bezel Black

SKU No. 170905000

Part No. 170905000

MYR Grade-B **1+ 5495.00 10+ 4670.00**

24 Inch TFT



HP Z24i G2

24", IPS 1920 x 1200, Height Adjustable

Connection VGA, Displayport, HDMI

Color bezel Black

SKU No. 32020000

Part No. Z24i G2

MYR Grade-A **1+ 539.00 10+ 512.00**



HP Z24n G2

24", IPS 1920 x 1200, Height Adjustable

Connection HDMI, Displayport, DVI-D

Color bezel Silver

SKU No. 260311004

Part No. Z24n

MYR Grade-A **1+ 611.00 10+ 578.00**

Grade-B **1+ 429.00 10+ 402.00**



HP Z24n G3

24", IPS 1920 x 1080, Height Adjustable

Connection USB-A, Displayport, HDMI

Color bezel Silver

SKU No. 260320009

Part No. Z24n G3

MYR Grade-A **1+ 682.00 10+ 644.00**



HP Z24n G3

24", 1920 x 1080, Height Adjustable

Connection USB-A, Displayport, HDMI

Color bezel Black

SKU No. 260320010

Part No. Z24n G3

MYR Grade-A **1+ 682.00 10+ 644.00**



HP E24i G4 (New)

24", IPS 1920 x 1080, Height Adjustable

Connection HDMI, Displayport, VGA, USB-B

Color bezel Silver

SKU No. 40305021

Part No. 9VJ40AA#ABB

MYR New **1+ 836.00 10+ 798.00**



HP E24 G5 (New)

24", IPS 1920 x 1080, Height Adjustable

Connection HDMI, Displayport, USB-B

Color bezel Silver

SKU No. 40305028

Part No. 6N6E9AA#ABB

MYR New **1+ 776.00 10+ 737.00**



27 Inch TFT



HP E27 G5 (New)

27", IPS 1920 x 1080, Height Adjustable

Connection USB-B, Displayport, HDMI

Color bezel Silver

SKU No. 40305023

Part No. 6N4E2AA#ABB

MYR New **1+ 908.00 10+ 869.00**



Iiyama ProLite (New)

27", IPS 3840 x 2160 4K, Height Adjustable

Connection DVI, Displayport, HDMI

Color bezel Silver

SKU No. 40305037

Part No. XUB2792UHSU-B5

MYR New **1+ 1337.00 10+ 1282.00**



Microsoft licenses

Aside from the standard licenses you receive when purchasing Microsoft products, you can also choose to have the software preinstalled on your purchased computer, and opt for a less costly Official Equipment Manufacturer (OEM) version of the software. OEM software licenses are legal, Microsoft authenticated products that, even though they are not delivered in-box, in most cases do come with an operating system CD.

NTS Computers is a Microsoft Authorized Refurbisher (MAR). Therefore NTS can offer preinstalled Microsoft Windows software on refurbished computers for very competitive prices. This software comes with fully legal licenses and has a Certificate of Authenticity (COA).

The COA is a label by which authentic Microsoft Windows software can be identified. The COA is visibly placed on the outside of the computer. A MAR COA label has no product code - instead, the product code is sent as document (PDF-file), on which additional software COAs (Ms Office, etc.) are placed.

MAR Licenses can only be issued on refurbished computers. Microsoft considers a computer to be refurbished if:

- The PC has been in regular distribution and has been used for a minimum of 6 months.
- The original motherboard or an identical replacement is present in the computer (deviations from the original motherboard are seen as a new PC)
- The original COA label is present.

Advantages of MAR commercial licenses are the considerably lower costs compared to purchasing a completely new software suite, and the security of legal software with access to all available updates. As official Ms Authorized Refurbisher, NTS Computers Technology is subject to quality requireme NTS imposed by Microsoft, and can only issue licenses if NTS offers protection against username and password abuse. Microsoft reserves the right to check this by means of audits.



MAR Commercial Licenses

Commercial licenses are available to all customers when purchasing a refurbished PC, in both great and small numbers.

A commercial License means that the software is preinstalled legally on the computer, a COA label is placed onto the machine. The operating software can be installed in a number of languages. NTS Computers installs the dutch language by default, if you prefer another language to be installed notify your sales representative when you order.

The software is pre-installed on the system:

- The customer is shown the welcome screen when starting up for the first time
- The customer can accept the End-user Software License Terms during product activation.

With the MAR Commercial Licenses, the customer also gets fully legal Windows software preinstalled on the purchased PC(s), notebook or workstation. There is NO media DVD included, it is advised the user makes an image of the harddrive including the operating system.

The available Commercial Licenses are shown in the adjacent table.

Windows 10 OEM
Windows 10 Professional 64bits
Windows 11 OEM
Windows 11 Professional 64bits
Microsoft Office 2021 Retail / ESD
Microsoft Home & Student 2021 Retail / ESD

MAR Citizenship Licenses (EDU)

Schools, charities and specially approved users are able to order Microsoft Windows 10 Citizenship licenses. These licenses are considerably less costly than any other form of licensing, and can be delivered in large quantities.

With the Citizenship Licenses, the customer also gets fully legal Windows software preinstalled on the purchased PC(s), notebook or workstation. There is NO media DVD included, it is advised the user makes an image of the harddrive including the operating system.

The available Citizen licenses are shown in the adjacent table.

OEM Licenses

An Original Equipment Manufacturer Licence (OEM) can be delivered with new as well as used computers. The software comes preinstalled on the purchased computer. Advantages of OEM licenses are the lover costs compared to retail versions, and Microsoft support for the installed software. The counter-argument is that the documentation and packaging of retail versions are much more expansive, whereas it is sparse with the OEM to save costs.

OEM versions of Windows are also preinstalled using the OEM Preinstallation Kit (OPK), ensuring the out-of-the-box experience for the customer; welcome screen with first startup, accepting terms and agreeemeSalland individually during product activation.

A document is included with the OEM license; this is proof of the legality of your Microsoft software. Aside from the computer with software, a CD/DVD/Media Kit is also included, ensuring the customer is able to perform an installation recovery, should this be necessary.

Creating a custom recovery CD/DVD is not permitted for OEM sellers; this has to be done with the media provided by Microsoft. OEM licenses are linked to the machine, and cannot be transferred from one computer to the next. When purchasing/selling a computer, the COA label, certificate of authenticity, recovery solution and hologram CD/DVD/Media Kit should be included



Article no	Description	Language	1+	10+	25+
Windows 10/11 Pro Citizen. Only in combination with a used PC or workstation. For educational and government institutions.					
	Windows 10 Pro 64bits Citizen	English	55.00	55.00	55.00
	Windows 11 Pro 64bits Citizen	English	55.00	55.00	55.00
Windows 10/11 Pro MAR Commercial. Only in combination with a used PC or workstation. For companies..					
	Windows 10 Pro 64bits MAR Commercial	English	165.00	165.00	165.00
	Windows 11 Pro 64bits MAR Commercial	English	165.00	165.00	165.00
Windows 11 Pro OEM. Only in combination with a new PC or workstation.					
	Windows 11 Pro 64bits OEM	English	765.00	765.00	765.00
Office 2021 Retail/ESD. Can be purchased separately or purchased with a used or new PC, notebook or workstation.					
	Office 2021 Home & Student (Word/Excel/Powerpoint)	English	655.00	655.00	655.00
	Office 2021 Home & Business (Word/Excel/Outlook/Powerpoint)	English	1150.00	1150.00	1150.00
	Office 2021 Professional (Word/Excel/Outlook/Powerpoint/Access)	English	2140.00	2140.00	2140.00

Softwares

Softwares

Brand: Intel
 Series: Intel Xeon E5-2600 v4
 Sockets: FCLGA2011
 Processor x: 2
 # of Cores: 4, 6, 8
 Clock Speed: 1.7Ghz - 2.4Ghz
 Processor type: Intel Xeon QC-18C
 Warranty: 12 Mandeem
 FSB: 1600/1866/2133Mhz
 Max TDP: 50 W - 145W
 Lithography: 14 nm
 Intel Smart: 15MB, 20MB,35MB
 Spec Sheet: Intel Xeon E5-2600 v4

intel Xeon E5-2600 v4



SKU	Stepcode	Processor	Cores	Speed	Socket	Cache	Max CPU	Lithogr.	Power	1+ MYR	10+ MYR
33607000	SR2P0	Intel Xeon E5-2603 v4	6	1.70GHz	FCLGA2011	15MB	2	14 nm	85 W	22.00	17.00
33607001	SR2R6	Intel Xeon E5-2620 v4	8	2.10GHz	FCLGA2011	20MB	2	14 nm	85 W	22.00	17.00
33607009	SR2P1	Intel Xeon E5-2609 v4	4	1.70GHz	FCLGA2011	20MB	2	14 nm	85 W	28.00	23.00
33607016	SR2N3	Intel Xeon E5-2650 v4	12	2.20GHz	FCLGA2011	30MB	2	14 nm	105 W	34.00	28.00
33607007	SR2R7	Intel Xeon E5-2630 v4	10	2.20GHz	FCLGA2011	25MB	2	14 nm	85 W	39.00	33.00
33607008	SR2P2	Intel Xeon E5-2623 v4	4	2.60GHz	FCLGA2011	10MB	2	14 nm	85 W	45.00	40.00
33607011	SR2P3	Intel Xeon E5-2637 v4	4	3.50GHz	FCLGA2011	15MB	2	14 nm	135 W	55.00	50.00
33607012	SR2P5	Intel Xeon E5-2667 v4	8	3.20GHz	FCLGA2011	25MB	2	14 nm	135 W	127.00	127.00
33607015	SR2N7	Intel Xeon E5-2680 v4	14	2.40GHz	FCLGA2011	35MB	2	14 nm	120 W	132.00	127.00

Brand: Intel
 Series: Intel Xeon E5-2600 V2
 Sockets: FCLGA2011
 Processor x: 2
 # of Cores: 4, 6, 8
 Clock Speed: 2.00Ghz - 3.10Ghz
 Processor type: Intel Xeon QC, 6C, 8C
 Warranty: 12 Mandeem
 FSB: 1333Mhz
 Max TDP: 95 W - 150W
 Lithography: 32 nm
 Intel Smart: 10MB, 15MB, 20MB
 Spec Sheet: Intel Xeon E5-2600 v2

intel Xeon E5-2600 v2



SKU	Stepcode	Processor	Cores	Speed	Socket	Cache	Max CPU	Lithogr.	Power	1+ MYR	10+ MYR
33600016	SR1AN	Intel Xeon E5-2620 v2	6	2.10GHz	FCLGA2011	15MB	2	22 nm	80W	17.00	12.00
33600025	SR1AY	Intel Xeon E5-2603 v2	4	1.80GHz	FCLGA2011	10MB	2	22 nm	80 W	17.00	22.00
33600029	SR1A8	Intel Xeon E5-2650 v2	8	2.60GHz	FCLGA2011	20MB	2	22 nm	95 W	23.00	17.00
33606014	SR1B7	Intel Xeon E5-2637 v2	4	3.50GHz	FCLGA2011	15MB	2	22 nm	130 W	23.00	17.00
33600018	SR1AM	Intel Xeon E5-2630 v2	6	2.60GHz	FCLGA2011	15MB	2	22 nm	80 W	23.00	17.00

Brand: Intel
 Series: Intel Xeon E5-2600 v4
 Sockets: FCLGA2011
 Processor x: 2
 # of Cores: 4, 6, 8
 Clock Speed: 1.7Ghz - 2.4Ghz
 Processor type: Intel Xeon QC-18C
 Warranty: 12 Mandeem
 FSB: 1600/1866/2133Mhz
 Max TDP: 50 W - 145W
 Lithography: 14 nm
 Intel Smart: 15MB, 20MB,35MB
 Spec Sheet: Intel Xeon E5-2600 v4

intel Xeon E5-2600 v4



SKU	Stepcode	Processor	Cores	Speed	Socket	Cache	Max CPU	Lithogr.	Power	1+ MYR	10+ MYR
33607020	SR2JT	Intel Xeon E5-2683 v4	16	2.10GHz	FCLGA2011	40MB	2	14 nm	120 W	132.00	127.00
33607013	SR2N2	Intel Xeon E5-2690 v4	14	2.60GHz	FCLGA2011	35MB	2	14 nm	135 W	165.00	160.00
33607027	SR2J1	Intel Xeon E5-2695 v4	18	2.10GHz	FCLGA2011	45MB	2	14 nm	120 W	363.00	336.00
33607019	SR2K1	Intel Xeon E5-2697A v4	16	2.60GHz	FCLGA2011	40MB	2	14 nm	145 W	468.00	440.00
33601023	SR2JS	Intel Xeon E5-2699 v4	22	2.20GHz	FCLGA2011	55MB	2	14 nm	145 W	831.00	776.00
33607025	SR30Y	Intel Xeon E5-2699A v4	22	2.40GHz	FCLGA2011	55MB	2	14 nm	145 W	1403.00	1348.00

Brand: Intel
 Series: Intel Xeon E7-4800
 Sockets: LGA2011
 Processor x: 4
 # of Cores: 8-22
 Clock Speed: 2.00Ghz, - 2.80Ghz
 Processor type: Intel Xeon 8C, 10C
 Warranty: 12 Mandeem
 FSB: 1066Mhz
 Max TDP: 105W-130W
 Lithography: 32 nm
 Intel Smart: 18MB, 24MB, 30MB
 Spec Sheet: Xeon E7-4800 Series

intel Xeon E7-4800 v2-v4



SKU	Stepcode	Processor	Cores	Speed	Socket	Cache	Max CPU	Lithogr.	Power	1+ MYR	5+ MYR
33501011	SR1H0	Intel Xeon E7-4820 v2	8	2.00GHz	FCLGA2011	16MB	4	22 nm	105 W	23.00	34.00
33501014	SR1GP	Intel Xeon E7-4850 v2	12	2.30GHz	FCLGA2011	24MB	4	22 nm	105 W	34.00	40.00
33501012	SR1GX	Intel Xeon E7-4860 v2	12	2.70GHz	FCLGA2011	30MB	4	22 nm	130 W	40.00	45.00
33501007	SR1GU	Intel Xeon E7-4830 v2	10	2.20GHz	FCLGA2011	20MB	4	22 nm	105 W	45.00	40.00
33601028	SR254	Intel Xeon E7-4820 v4	10	2.00GHz	FCLGA2011	25MB	4	14 nm	115 W	83.00	77.00
33601030	SR221	Intel Xeon E7-4850 v3	12	2.20GHz	FCLGA2011	35MB	4	22 nm	115 W	83.00	77.00
33501010	SR1GM	Intel Xeon E7-4880 v2	15	2.50GHz	FCLGA2011	37.5MB	4	22 nm	130 W	94.00	88.00
33501009	SR1GL	Intel Xeon E7-4890 v2	15	2.80GHz	FCLGA2011	37.5MB	4	22 nm	155 W	110.00	132.00
33501008	SR224	Intel Xeon E7-4820 v3	10	1.90GHz	FCLGA2011	25MB	4	22 nm	115 W	138.00	132.00
33601031	SR252	Intel Xeon E7-4850 v4	16	2.10GHz	FCLGA2011	40MB	4	14 nm	115 W	154.00	149.00

Brand: Intel
 Series: Intel Xeon E5-2600 v3
 Sockets: FCLGA2011
 Processor x: 2
 # of Cores: 4C-14C
 Clock Speed: 1.6Ghz - 3.5Ghz
 Processor type: Intel Xeon 4C, 10C
 Warranty: 12 Mandeem
 FSB: 1333Mhz
 Max TDP: 85W-160W
 Lithography: 22 nm
 Intel Smart: 10MB, 15MB, 25MB,
 Spec Sheet: Intel Xeon E5-2600 v3

intel Xeon E5-2600 v3




SKU	Stepcode	Processor	Cores	Speed	Socket	Cache	Max CPU	Lithogr.	Power	1+ MYR	5+ MYR
33605002	SR1YC	Intel Xeon E5-2609 v3	6	1.9GHz	FCLGA2011-3	15MB	2	22 nm	85 W	17.00	11.00
33605004	SR1XH	Intel Xeon E5-2683 v3	14	2.00GHz	FCLGA2011	35MB	2	22 nm	120 W	17.00	12.00
33605013	SR1YA	Intel Xeon E5-2650 v3	10	2.30GHz	FCLGA2011	25MB	2	22 nm	105 W	17.00	12.00
33605005	SR208	Intel Xeon E5-2623 v3	4	3.00GHz	FCLGA2011	10MB	2	22 nm	105 W	34.00	28.00
33605008	SR209	Intel Xeon E5-2630L v3	8	1.80GHz	FCLGA2011	20MB	2	22 nm	55 W	33.00	28.00
33605027	SR1XH	Intel Xeon E5-2683 v3	14	2.00GHz	FCLGA2011	35MB	2	22 nm	120 W	40.00	34.00
33605010	SR205	Intel Xeon E5-2640 v3	8	2.6GHz	FCLGA2011-3	20MB	2	22 nm	90 W	51.00	45.00
33605011	SR204	Intel Xeon E5-2643 v3	6	3.40GHz	FCLGA2011	20MB	2	22 nm	135 W	50.00	44.00
33605022	SR1XN	Intel Xeon E5-2690 v3	12	2.60GHz	FCLGA2011	30MB	2	22 nm	135 W	55.00	50.00
33605018	SR1XS	Intel Xeon E5-2670 v3	12	2.30GHz	FCLGA2011	30MB	2	22 nm	120 W	61.00	66.00
33605019	SR1XS	Intel Xeon E5-2670 v3	12	2.30GHz	FCLGA2011-3	30MB	2	22 nm	120 W	72.00	66.00
33605023	SR1XG	Intel Xeon E5-2695 v3	14	2.30GHz	FCLGA2011	35MB	2	22 nm	120 W	143.00	138.00
33605029	SR1XE	Intel Xeon E5-2698 v3	16	2.30GHz	FCLGA2011	40MB	2	22 nm	135 W	226.00	215.00

Memories

Memories

Compatibility

hynix DDR4-2133 PC4-17000R




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480113085	HMA41GR7AFR8N-TF	8GB	DDR4	PC4-17000P	CL15	ECC Registered	In pairs	2133MHz	2Rx8	1.20V	44.00
480113187	HMA41GR7MFR8N-TF	8GB	DDR4	PC4-17000P	CL15	ECC Registered	In pairs	2133MHz	2Rx8	1.20V	50.00
480113140	HMA41GR7MFR4N-TF	8GB	DDR4	PC4-17000P	CL15	ECC Registered	Single	2133MHz	2Rx4	1.20V	61.00
480113150	HMA42GR7MFR4N-TF	16GB	DDR4	PC4-17000P	CL15	ECC Registered	In pairs	2133MHz	2Rx4	1.20V	94.00

Refurb

Compatibility
HP BL460c/BL660c G9

hp DDR4L-2400 PC4-19000R




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480113082	809085-391	64GB	DDR4-L	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	4Rx4	1.20V	308.00
480113147	809085-091	64GB	DDR4-L	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	4Rx4	1.20V	308.00

Refurb

Compatibility

hynix DDR4-2400 PC4-19000R




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480113098	HMA81GR7MFR8N-UH	8GB	DDR4	PC4-19200T	CL17	ECC Registered	Single	2400MHz	1Rx8	1.20V	77.00
480113242	HMA82GR7MFR8N-UH	16GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	2Rx8	1.20V	99.00
480113244	HMA42GR7AFR4N-UH	16GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	2Rx4	1.20V	99.00
480113149	HMA84GR7AFR4N-UH	32GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	2Rx4	1.20V	242.00

Refurb

Compatibility
Lenovo thinkstation P510,
IBM Server x3550 m5

Lenovo DDR4-2400 PC4-19000R




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480113043	46W0823	8GB	DDR4	PC4-19200T	CL17	ECC Registered	Single	2400MHz	1Rx4	1.20V	55.00
480113038	46W0829	16GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	2Rx4	1.20V	72.00
480113053	01AG609	16GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	2Rx4	1.20V	72.00
480113066	01DE955	16GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	2Rx4	1.20V	72.00

Refurb

Compatibility

hp DDR4-2400 PC4-19000R




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
10113017	809079-581	8GB	DDR4	PC4-19200T	CL17	ECC Registered	Single	2400MHz	1Rx4	1.20V	61.00
10113021	809080-591-3p	8GB	DDR4	PC4-19200T	CL17	ECC Registered	Single	2400MHz	1Rx8	1.20V	61.00
10113031	809082-591	16GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	1Rx4	1.20V	99.00
480113158	809081-081	16GB	DDR4	PC4-19200T	CL17	ECC Registered	In pairs	2400MHz	2Rx4	1.20V	105.00

Refurb

Compatibility

Lenovo DDR4-2666 PC4-21300R




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480113109	01DE971	8GB	DDR4	PC4-21300V	CL19	ECC Registered	Single	2666MHz	1Rx8	1.20V	61.00
480113046	01AG617	8GB	DDR4	PC4-21300V	CL19	ECC Registered	Single	2666MHz	1Rx8	1.20V	66.00
480113054	01AG618	16GB	DDR4	PC4-21300V	CL19	ECC Registered	In pairs	2666MHz	2Rx8	1.20V	110.00
480113170	01DE973	16GB	DDR4	PC4-21300V	CL19	ECC Registered	In pairs	2666MHz	2Rx8	1.20V	116.00

Refurb


Memories

Memories

Compatibility




DDR4-2666 PC4-21300R



SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115025	L04435-501	8GB	DDR4	PC4-21300E	CL19	ECC	Single	2666MHz	1Rx8	1.20V	66.00
480115027	L04436-501	16GB	DDR4	PC4-21300E	CL11	ECC	In pairs	2666MHz	2Rx8	1.20V	154.00
480115044	L04437-501	32GB	DDR4	PC4-21300E	CL19	ECC	In pairs	2666MHz	2Rx8	1.20V	264.00


Compatibility

DDR4-2133 PC4-17000E




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115039	M391A1G43EB1-CPBQ	8GB	DDR4	PC4-17000E	CL15	ECC	In pairs	2133MHz	2Rx8	1.20V	61.00
480115042	M391A1G43DB0-CPBQ	8GB	DDR4	PC4-17000E	CL15	ECC	In pairs	2133MHz	2Rx8	1.20V	61.00
480115016	M391A2K43BB1-CPBQ	16GB	DDR4	PC4-17000E	CL15	ECC	In pairs	2133MHz	2Rx8	1.20V	121.00

Compatibility




DDR4-2933 PC4-23466R




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480113075	L15416-501	16GB	DDR4	PC4-23466Y	CL21	ECC Registered	Single	2933MHz	1Rx4	1.20V	110.00
480113076	L15417-501	32GB	DDR4	PC4-23466Y	CL21	ECC Registered	In pairs	2933MHz	2Rx4	1.20V	220.00

Compatibility




DDR4-2133 PC4-17000E




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115018	01AG600	8GB	DDR4	PC4-17000E	CL15	ECC	In pairs	2133MHz	2Rx8	1.20V	44.00
480115020	46W0815	16GB	DDR4	PC4-17000E	CL15	ECC	In pairs	2133MHz	2Rx8	1.20V	44.00

Compatibility




DDR4-2133 PC4-17000E




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480010060	840816-001	8GB	DDR4	PC4-17000E	CL15	ECC	In pairs	2133MHz	2Rx8	1.20V	99.00
480115013	797259-591	16GB	DDR4	PC4-17000E	CL15	ECC	In pairs	2133MHz	2Rx8	1.20V	121.00

Compatibility
HP BL460c/BL660c G9



DDR4-2400 PC4-19000E




SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
10115009	900310-591-3P	8GB	DDR4	PC4-19200E	CL17	ECC	Single	2400MHz	1Rx8	1.20V	66.00
10010009	900309-581-3p	8GB	DDR4	PC4-19200E	CL15	ECC	Single	2400MHz	1Rx8	1.20V	83.00
480115030	900311-591	16GB	DDR4	PC4-19200E	CL17	ECC	In pairs	2666MHz	2Rx8	1.20V	127.00

Memories

Memories


Compatibility

Lenovo DDR4-2400 PC4-19000E 

SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115024	01AG605	8GB	DDR4	PC4-19200E	CL17	ECC	In pairs	2400MHz	2Rx8	1.20V	72.00
480115034	01KN346	16GB	DDR4	PC4-19200E	CL17	ECC	In pairs	2400MHz	2Rx8	1.20V	88.00
480115019	01AG606	16GB	DDR4	PC4-19200E	CL17	ECC	In pairs	2400MHz	2Rx8	1.20V	160.00

Refurb


Compatibility

Lenovo DDR4-2666 PC4-21300E 

SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115011	01AG628	8GB	DDR4	PC4-21300E	CL19	ECC	Single	2666MHz	1Rx8	1.20V	72.00
480115026	01AG629	16GB	DDR4	PC4-21300E	CL11	ECC	In pairs	2666MHz	2Rx8	1.20V	154.00

Refurb


Compatibility

DDR4-2400 PC4-19000E 

SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115038	M391A1K43BB1-CRCQ	8GB	DDR4	PC4-19200E	CL17	ECC	Single	2400MHz	1Rx8	1.20V	66.00
480115014	M391A2K43BB1-CRCQ	16GB	DDR4	PC4-19200E	CL17	ECC	In pairs	2400MHz	2Rx8	1.20V	99.00

Refurb


Compatibility

hp DDR4-3200 PC4-25600E 

SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115029	P44877-001	16GB	DDR4	PC4-25600E	CL22	ECC	Single	3200MHz	1Rx8	1.20V	226.00
480115010	L94252-591	8GB	DDR4	PC4-25600E	CL22	ECC	Single	3200MHz	1Rx8	1.20V	231.00
480115046	L94258-591	16GB	DDR4	PC4-25600E	CL22	ECC	In pairs	3200MHz	2Rx8	1.20V	303.00

Refurb

Compatibility

hp DDR4-2666 PC4-21300E 

SKU	Part No.	Size	Type	Bus Type	CAS	Fault Tolerance	Usage	FSB	Rank	Voltage	1+ MYR
480115025	L04435-501	8GB	DDR4	PC4-21300E	CL19	ECC	Single	2666MHz	1Rx8	1.20V	66.00
480115027	L04436-501	16GB	DDR4	PC4-21300E	CL11	ECC	In pairs	2666MHz	2Rx8	1.20V	154.00
480115044	L04437-501	32GB	DDR4	PC4-21300E	CL19	ECC	In pairs	2666MHz	2Rx8	1.20V	264.00

Refurb

HP nVidia Quadro® PCI-express Graphics



NTS SKU	Partno	Graphic Processor	Memory	CUDA	1+ MYR
10402835	870910-001	HP nVidia Quadro P2000 5Gb PCIe 4xDP	5GB GDDR5	1024	913.00
10402845	871970-001	HP nVidia Quadro P4000 243GB GPU PCIe	8GB GDDR5	1792	1210.00
10418020	L48392-001	HP nVidia Quadro RTX 4000 8Gb PCIe 3x DP 1x USB-C	8GB GDDR6	2304	2530.00
10402867	913196-001	HP nVidia Quadro P5000 16Gb PCIe 1xDVI 4xDP	16GB GDDR5	2560	1920.00
10418137	L40548-001	HP nVidia RTX 5000 16Gb PCIe 4xDP	16GB GDDR6	3072	3465.00
10402871	903197-001	HP nVidia Quadro P6000 24GB PCIe GPU	24GB GDDR5	3840	5594.00
10418085	L44054-001	HP nVidia RTX 6000 24Gb PCIe 4xDP	24GB GDDR6	4608	10527.00

NTS SKU	Partno	Graphic Processor	Memory	Maximum Resolution	1+ MYR
10402843	Q0V80A	HP nVidia Tesla P40	24GB GDDR5		Call!
10402824	876340-001	HP nVidia Tesla V100	16GB GDDR5		5495.00
10402784	Q2S42A	HP nVidia Tesla P100	12GB GDDR5		Call!
10402545	712972-001	NVIDIA Tesla K20X 6 GB Module, No Video Outputs	6GB GDDR5		820.00

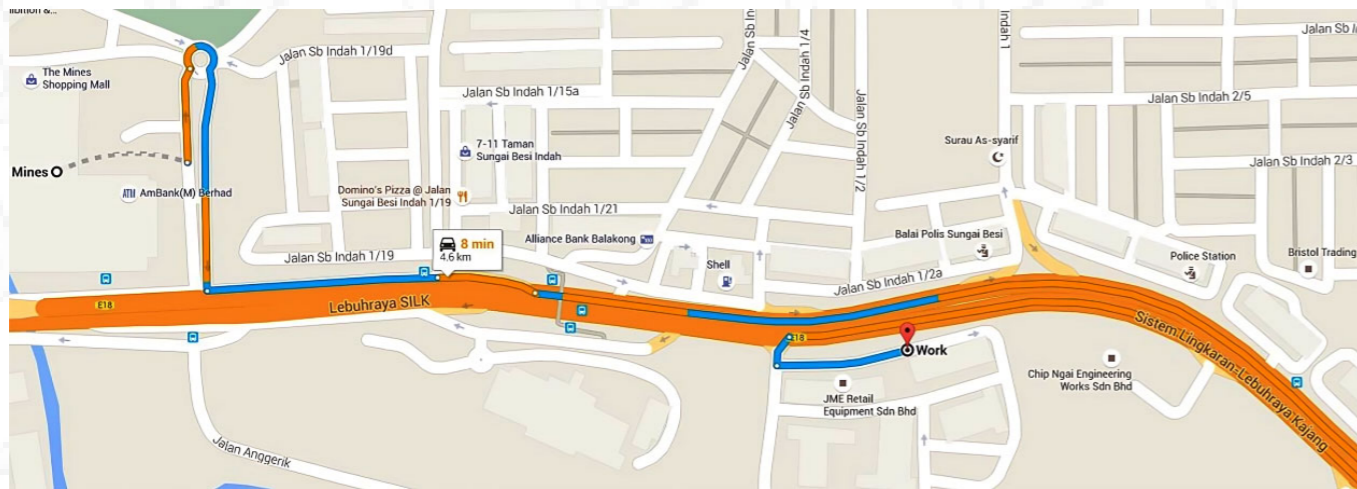
	Ultra High End >>		High End >>				Mid Range >>			Entry >>						
BOARD FEATURES	RTX A5000	RTX 8000	RTX A4000	RTX 6000	RTX 5000	RTX 2080	RTX 2070	RTX 4000	RTX 2060	Quadro P6000	Quadro P5000	Quadro P4000	Quadro P2000	Tesla V100	Tesla P40	Tesla P100
Memory Size	24GB GDDR6	48GB GDDR6	16GB GDDR6	24GB GDDR6	16GB GDDR6	8GB GDDR6	8GB GDDR6	8GB GDDR5	6GB GDDR6	24GB GDDR5	16GB GDDR5	8GB GDDR5	5GB GDDR5	16GB GDDR6	24GB GDDR6	16GB GDDR6
Memory Interface	384-bit	384-bit	256-bit	384-bit	256-bit	256-bit	256-bit	256-bit	192-bit	384-bit	256-bit	256-bit	160-bit	4096-bit	384-bit	4096-bit
Memory Bandwidth	768 GBps	672 GBps	448 GBps	672 GBps	448 GBps	192 GBps	448 GB/s	416 GB/s	336 GB/s	432 GB/s	192 GB/s	192 GB/s	140 GB/s	900 GB/s	148 GB/s	732 GB/s
CUDA Parallel Processor Cores	8192	4608	6144	4608	3072	3072	2304	2304	1920	3840	2048	1792	1024	5120	3840	3584
Max Power Consumption	230 Watt	260 Watt	140 Watts	260 Watts	230 Watt	120 Watt	175 Watt	160 Watt	175 Watt	250 Watt	100 Watt	100 Watt	75 Watt	250 Watt	250 Watt	250 Watt
Number of Slots	5	5	4	5	4	4	4	4	3	3						
Display Connectors	4x DP 1.4	4x DP 1.4, 1x USB	4x DP 1.4 Optional stereo	4x DP, 1x USB-C	4x DP, 1x USB-C	4x DP 1.2	4x DP, 1x USB-C	3x DP, 1x USB-C 2x DP 1.2	3x DP, 1x USB-C	4x DP, 1x DVI-D		4x DP 1.4	4x DP	None	None	None
Dual Link DVI	1		1	1				2	1	1						
DisplayPort	4	4	4	4	4	4	4	2	2	2						
ECC (Error Correcting Code)																
OpenGL	4.5	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5						4.6
Shader Model	5.1	6.5	6.7	5	5.1	5	5	5	5	5						5.1
DirectX	12	12	12	12	12	12	12	11.2	11.2	11.2						
3D Vision Pro	Yes					Yes			Yes	Yes						
Quadro Mosaic Technology	Yes	Yes														
NVIDIA SLI Mosaic Mode	Yes	Yes	Yes	Yes	Yes			Yes								
NVIDIA SLI Multi OS																
NVIDIA SLI Frame Rendering Support																
NVIDIA nView Display Management																
Quadro SDI option card																
Quadro G-Sync option card	Yes	Yes		Yes		Yes										
3D Primitive Performance																
Triangles per Second																
3D Application Performance																
									Yes						Yes	

Bron: <http://www.nvidia.com/content/PDF/product-comparison/product-comparison-master-revised.pdf>
 * Voor meer informatie ga naar: <http://www.nvidia.com/object/quadro-desktop-gpus.html>

Videocards

Videocards

Directions to NTS Computers SDN BHD



- From Mines shopping centre make a u-turn straight until you reach the traffic light
- Turn left and go straight keep left (you see Segi fresh market) make u-turn under the fly over
- Go straight you will see shell petrol station on your left
- Then straight you will see signboard crystal garden hotel
- Small exit left before school and now you arrived your destination

Physical Address :

NTS Computers SDN BHD
No. 29, Jalan Sungai Besi Indah 5/2,
Taman Sungai Besi Indah, 43300 Seri Kembangan.

Phone :

+603- 8938 5628 (sales)
+603- 8940 7329 (sales)
+60 11 3544 2045 (Technical department)

WhatsApp:

+60 11 3544 2045 (office)
+60 19 271 6771 (Amsyar)
+60 17 658 4379 (Fareesha)
+60 13 586 2952 (Hairil),
+60 17 745 6910 (Syafiq)

Emails :

muhammad@nts.nl
rahman@nts.nl
fabio@nts.nl
hairil@nts.nl

Website :

http://ntscomputers.com.my/

Opening Hours :

Mon - Fri 09.30 - 18.00

Payment

2. Payment by bank

Ensure in all cases of bank / transfer payments that the invoice number or order number and your customer number listed clearly visible.

Name of Bank: AMBank
Currency: MYR
Account Name: NTS Computers SDN BHD
Account No. 8881009563260
SWIFT: ARBKMYKL

3. Payment on account

Payment on account is possible after approval of credit limit for the institution or organisation. To verify the credit worthiness we will require certified audited books of account of the institution/organisation. This will apply for government, semi-government NGO's, Brokers, Resellers and foundations. Private individuals can not order on credit.

4. Cash

Cash payments are possible (upto RM2500) if client picks up products at our office in No. 29, Jalan Sungai Besi Indah 5/2
A bank receipt can also be issues to show proof of payment.

4. Credit Card/ATM Payment

Debit and Credit Card accepted at no extra charge

Repayment

Refund (Credit) occur in the following situations :

- There is a credit note issued by NTS Computers SDN BHD
- Trade has taken place in which the credit note is not more recognized.
- Too much or paid double
- An error was made by NTS Computers SDN BHD where you have a money transfer,
- You have an order you have already paid in advance canceled.

Overpayments will be refunded to the account from which payment was received. Repayment will be done 7-14 days after complaint has been verified.

Parcel Shipments

For domestic shipping, NTS has chosen Citylink for parcels.

Citylink shipping distinguishes in rates for sending a parcel within Peninsular Malaysia, Sabah, and Sarawak. Citylink is fast and reliable.

Below you can find indication rates per region. These rates are subject to change depending on Citylink and are exclusive of 18% fuel surcharge, 18 % handling surcharge & 15% emergency situation surcharge.

<https://www.mycourier.my/citylink-rate-citylink-shipping-rate/>

Citylink Malaysian Rates:

Weight (kg)	Peninsular	Sabah	Sarawak
<2	RM15	RM40	RM40
2-5	RM25	RM75	RM75
5+10	RM25	RM150	RM150
10+20	RM40	RM300	RM300
20+30	RM55	RM450	RM450

Citylink Thailand & Singapore Rates:

Weight (kg)	Thailand	Weight (kg)	Singapore
<2	RM125	<2	RM18
2-5	RM210	2-5	RM87
5+10	RM289	5+10	RM167
10+18	RM395	10+18	RM295
18+24	RM499	18+24	RM395
24-30	RM620	24-30	RM489

Thailand rates same to cities Bangkok, Pattaya & Chiang Mai.

J & T Cost Table

Cost table on this link: <https://www.mycourier.my/jt-rate-it-shipping-rate/>

Pallet shipments

For pallet shipments, NTS works with Lalamove. Lalamove is a reliable partner with a wide range of shipping options. Vehicle choice and the option for same day delivery all depend on the size and type of shipment. As a standard, the driver will help move the shipment in and out of the vehicle. Tailgates are available at extra cost.

For a complete overview of possible shipping options, please visit <https://www.lalamove.com/en-my/all-vehicle->

Information

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Workstation information

What is a workstation

A workstation computer is a powerful computer that is specially designed for professional use and technical or scientific applications. These computers are equipped with specialized hardware or software that make them suitable for high-end computational tasks, such as 3D operations, large data analyses, and running virtual machines.



The difference between a workstation and a regular PC is mainly in the performance and the ability to work with specific professional software. Workstations are also often expandable with more Memory or other components, giving them a longer lifespan and making them suitable for future upgrades.

NTS Computers offers used workstations from major brands such as HP, Dell and Lenovo, completely furnished to your wishes and with a 2-year warranty.

What is in a workstation

Workstations are available in various form factors, including:

Tower: This is the traditional desktop shape that offers more space for components and extensions. Tower workstations are designed for high performance and expandability. Towers offer the most space for extra memory, hard drives and graphics.

For intensive use, for example video rendering, a tower is the common model.

An average tower is 45cm x 50cm x 20cm (H x D x W)



Small Form Factor (SFF): This is a compact form that takes up less space than a traditional desktop. Despite their smaller size, these often support the full height and length of graphics cards, with remaining room for upgrades and expansion.

Small form factors generally provide better cooling and therefore higher performance than a mini workstation, simply because there is more space for larger and more efficient cooling systems.

For office work, an SFF model is often more than sufficient and offers room for expansion if new applications place more stringent demands on the system.

An average SFF is 40cm x 30cm x 10cm (H x D x W)

Mini: A mini workstation is a compact version of a traditional workstation computer. It offers similar power and performance in a much smaller size, making it ideal for workplaces with limited space. Mini workstations are more limited in terms of expansion options due to their small size. For example, the number of types of graphics cards that fit in a Mini workstation is limited.

For the applications of a regular office setting, a mini workstation is more than fast enough. The limited portability of the system can also offer advantages for flexible workplaces, for example

An average mini workstation is 20cm x 20cm x 5-7cm (W x D x H)

Assembling systems

NTS offers workstations completely assembled according to your wishes. On the website you can use the System Builder to put together a system yourself.

The desired components can be selected from the dropdown menus. Product information and any warnings regarding compatibility are displayed. Selection of the product shows extensive product information. The MYR is shown real time and the system is maintained in your shopping cart.

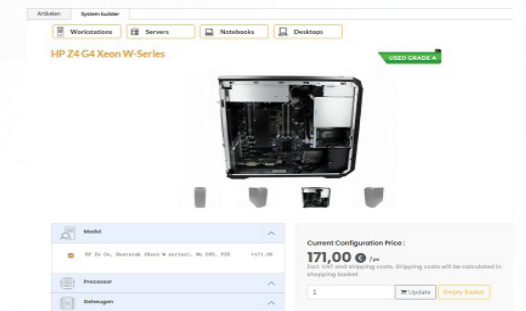
The system builder can be found in the NTS webshop.

MAR Licences

NTS is a Microsoft Authorized Refurbisher (MAR). This allows NTS to offer pre-installed Microsoft software such as Windows 11 and Ms Office on refurbished computers at competitive prices.

MAR Licences are issued without physical media pre-installed on refurbished computers. The software comes with License and Certificate of Authenticity (COA).

For more information, see our MAR Licenses page.



ex-in

Information

Repaint

In our specially designed repaint facility, equipped with professional spray equipment to refurbish the Form Factor of computers, the machines are sanded, cleaned and sprayed with a durable 2k water-based top coat. The paint is color matched to the systems, so that they look as good as new again.

NTS complies with Cenelec conditions for the repaint process and uses water-based paint, cleaning products without danger signs and an extraction system with double filter to minimize the impact on the environment in addition to the safety of the staff.



Packaging

NTS provides the utmost care in shipping packaging for workstations. NTS has several models of shipping boxes with custom foam buffers, so that common models such as the HP Z series are always shipped in an optimally fitting box and the risk of damage during transport is minimized

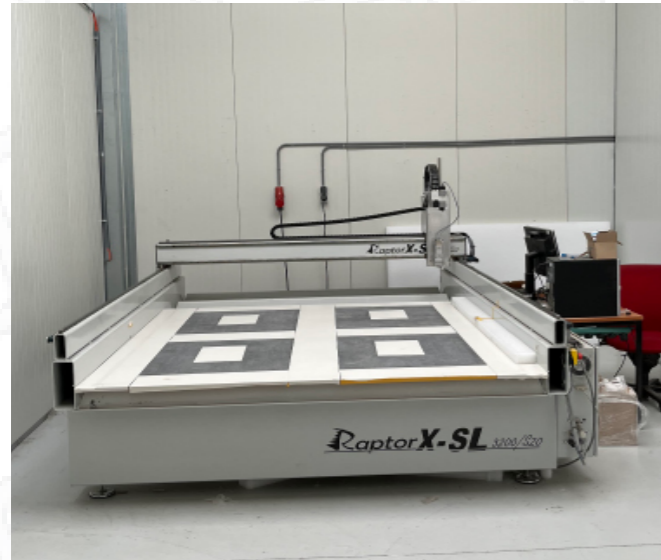


Workstations are packed in logo-free boxes with sturdy white foam buffers. The box has room for power cables and a keyboard. The system itself is packed in a plastic bag to protect against dust.

Boxes for workstations can be purchased separately. Ask your account manager for more information.

STORAGE AND PACKAGING

NTS provides the utmost care in shipping packaging for workstations. This not only ensures safety during transport, but also the like-new experience that NTS attaches great importance to.



NTS has several models of shipping boxes with custom foam buffers for workstations, PCs, laptops, servers and TFT screens, so that products are always shipped in an optimally fitting box and the risk of damage during transport is minimized. NTS makes the foam buffers itself. These are cut from white foam plates using a CNC machine, based on a CAD design. This means there is always room to make improvements to the design. Workstations are packaged in logo-free, double-layer corrugated cardboard boxes. The box offers space for accessories and rails. Systems are packed in a plastic bag to protect against dust.

Packaging for components

NTS has a range of safe packaging solutions for components that are also used during storage in our warehouse.

For CPUs and memories, NTS has various stackable trays and individual clamshells, depending on the number of packaged parts. The CPU trays are specially designed for the common models. Numbers per tray vary depending on the type of product.

NTS makes foam inlays for plug-in boxes for Graphicsen with the CNC machine. For hard drives, there are slot fillings of soft gray foam for the shipping boxes so that larger quantities can be shipped safely.

Graphics, hard drives and add-in cards are individually packed in anti-static bags.

All shipping packaging is also available separately in our webshop, whether it concerns memory trays in bulk or a small number of workstation boxes with foam buffers. For all your packaging questions, please contact our sales department.



CPU Tray



Workstation box with foam buffers



Memory Tray



Graphics box with foam inlay



Laptop box with buffers



Server box with buffers

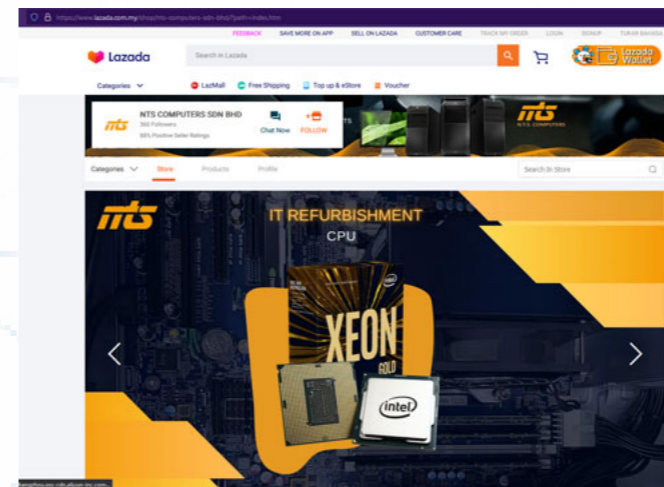
E-commerce Platforms

We are committed to providing our customers with the best products and services. To ensure our offerings are accessible to a wider audience, we actively advertise on several leading e-commerce platforms:

Lazada

Lazada is one of Southeast Asia's largest e-commerce platforms, known for its extensive reach and innovative marketing strategies. By advertising on Lazada, we connect with millions of potential customers across the region, offering them our high-quality products and exceptional service.

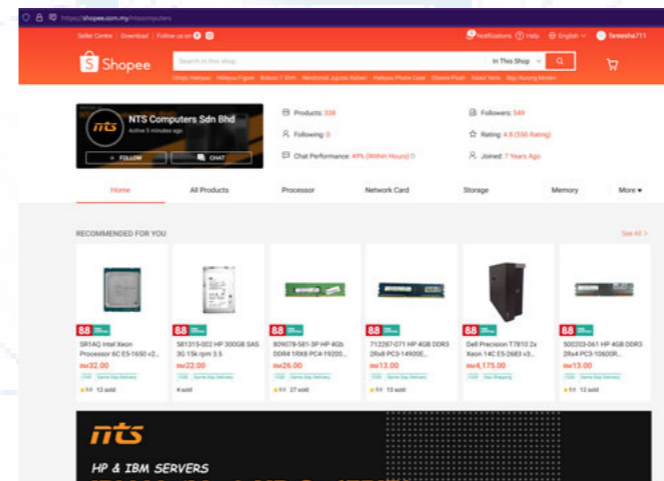
Lazada NTS Link: <https://www.lazada.com.my/shop/nts-computers-sdn-bhd/?path=index.htm>



Shopee

Shopee has rapidly become a dominant player in the Southeast Asian e-commerce market. Our presence on Shopee allows us to leverage their advanced advertising tools and engage with a diverse customer base. We utilize Shopee's targeted ads to ensure our products are visible to the right audience at the right time.

Shopee NTS Link: <https://shopee.com.my/ntscomputers>

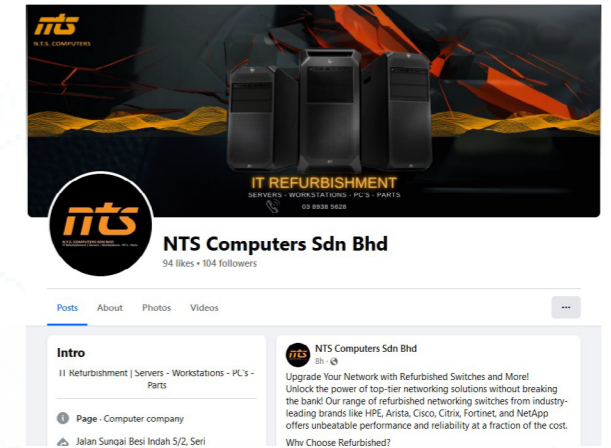


Social media Platforms

Facebook

By advertising on facebook allows us to share information about products, services, and updates. Thus connecting us to millions of potential customers in the region

NTS Facebook page: <https://www.facebook.com/NTSComputersSdnBhd>





NTS COMPUTERS SDN BHD

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