



**Quant's Workstations  
&  
Trader's Workstations  
&  
IT Servers**

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## QUANT'S WORKSTATIONS

### HARDWARE REQUIREMENTS:

- |                 |              |
|-----------------|--------------|
| ● CPU:          | INTEL 9      |
| ● MEMORY:       | 64GB         |
| ● MAIN DISK:    | 500MG SSD M2 |
| ● STORAGE DISK: | 2TB SSD      |
| ● GPU:          | 24GB         |

### SOFTWARE REQUIREMENTS:

- |                            |                        |
|----------------------------|------------------------|
| ● OPERATIVE SYSTEM:        | WINDOWS 10 & UBUNTU VM |
| ● NAVIGATOR:               | GOOGLE CHROME          |
| ● MESSENGER:               | SKYPE                  |
| ● TERMINAL:                | CMDER                  |
| ● CODE EDITOR:             | VISUAL STUDIO CODE     |
| ● CODE COMPILERS:          | C                      |
|                            | C++                    |
| ● DATA ANALYSIS PLATFORMS: | JULIA                  |
|                            | PYTHON                 |
|                            | R                      |
| ● QUANT'S PLATFORMS:       | OMEGA                  |
|                            | BETA                   |
|                            | ZORRO                  |



## 1. VYBE PRO Data Science Workstation by Maingear



## 1. VYBE PRO Data Science Workstation by Maingear

Powered by the NVIDIA TITAN RTX – The VYBE PRO is the fastest PC for Data Science. Accelerate data preparation, train models faster and deploy sooner with a desktop solution delivering revolutionary performance at your fingertips, powered by NVIDIA Turing.

### Whisper Quiet

With a custom PWM smart fan controller, the MAINGEAR VYBE PRO allows you to load up multiple demanding applications all while staying cool and virtually silent.

### Accelerate Data Science

Work faster with 4608 NVIDIA Turing CUDA cores accelerating end-to-end data science workflows. Process huge data sets with 24 GB GDDR6 memory (or 48 GB with NVLink). Get started today with the RAPIDS suite of libraries for data science, built on NVIDIA's CUDA-X AI SDK. Develop on your PC and deploy to the data center with ease.

## TITAN RTX is 4X Faster Than TITAN XP for Deep Learning Training

### Language Translation (GNMT)



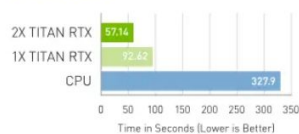
Training GNMT using Pytorch | NGC Container: 19.01 | Titan XP BS=128 | Titan RTX BS=384

### Image Recognition (ResNet-50)



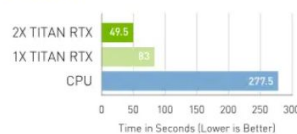
Training ResNet-50 using MXNet | NGC Container 18.11 | Titan XP BS=96 | Titan RTX BS=256

### End-to-end



CPU: Core i9 | End-to-end time = Data Prep + Conversion + Training + Validation

### XGBoost



### Data Prep



## REVOLUTIONARY PERFORMANCE, POWERED BY TURING

TITAN RTX trains advanced models like ResNet-50 and GNMT up to 4X faster than Titan Xp. And RAPIDS trains models up to 3X faster than CPUs. Built with multi-precision Turing Tensor Cores, TITAN RTX delivers breakthrough performance from FP32, FP16, INT8, and INT4, allowing faster training and inferencing of neural networks. Equipped with twice the memory capacity of previous-generation TITAN GPUs and NVIDIA NVLink™, TITAN RTX enables researchers and data scientists to experiment with larger neural networks and datasets than ever before, all on GPU memory.

nexow.com

Nexow Systems, S.L. B-66.561.507  
C/ Almogàvers 180 Planta 2, 08018 Barcelona

## 1. VYBE PRO Data Science Workstation price:



### VYBE PRO Data Science PC - X299

Starting At

\$6,245

Financing Available ⓘ

#### Graphics Card:

Up To Dual NVIDIA TITAN RTX 24GB GDDR6

#### Processor:

Up To Intel Core i9-9980XE 18-Core 3.0 GHz  
(4.4 GHz Turbo)

#### Memory:

Up To 128GB HyperX Predator RGB DDR4  
3200MHz (8x16GB)

#### Storage:

512GB Intel 660p Series M.2 NVMe SSD

#### Cooling:

MAINGEAR Epic 240

#### Power Supply:

EVGA 1200W SuperNOVA P2 80+  
PLATINUM

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## **2. VELOX Workstation by Digitalstorm**

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[nexow.com](http://nexow.com)

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## 2. VELOX Workstation by Digitalstorm

Experience an unparalleled level of performance with a Digital Storm workstation delivering state-of-the-art features, including GPU acceleration, powerful processors and extensive memory capacities. Our solutions are engineered to handle the most complex workloads.

### Custom Workstation PCs

Experience an unparalleled level of performance with a Digital Storm workstation delivering state-of-the-art features, including GPU acceleration, powerful processors and extensive memory capacities. Our solutions are engineered to handle the most complex workloads.



### Custom Workstations

Up to  
**56-core**  
processors

Up to  
**4.40GHz**  
turbo boost

Up to  
**768GB**  
memory

Up to  
**4x**  
compute GPUs

Up to  
**3.5GB/s**  
SSD read speeds

Up to  
**15TB**  
storage space

[nexow.com](http://nexow.com)

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## 2. VELOX Workstation price:

### Velox Workstation

High airflow design featuring front intakes positioned close to heat-sensitive components, providing better thermals and reliability. Velox delivers rapid speed at maximum power for a professional class solution.



 (LxWxH) 20" x 9" x 22"

Starting At  
**\$5,364**



### 3. AVENTUM Workstation by Digitalstorm

## 3. AVENTUM Workstation by Digitalstorm



### Unmatched Engineering and Thermal Design

Our workstation solutions are designed from the ground up to meet and exceed the rigorous performance requirements of artificial intelligence, deep learning, and machine learning demands. They can be customized to fit your needs to absolutely deliver the relentless performance demanded by cognitive technologies. We unlock maximum power from even the most extreme hardware configurations for our clients.

### Computation Tasks


Whether you're simulating robust particle systems, crunching large data sets, or plotting fluid dynamics models, Digital Storm's TESLA workstations deliver unparalleled computational performance.



### 3. AVENTUM Workstation price:

### Aventum Workstation

Unmatched level of engineering and design featuring a custom liquid delivery system and pre-routed power, this is our most advanced PC that delivers maximum power from even the most extreme hardware configurations.



✂ (LxWxH) 26" x 10" x 28"

Starting At  
**\$6,323**

## TRADER'S WORKSTATIONS

### HARDWARE REQUIREMENTS:

- |                 |           |
|-----------------|-----------|
| ● CPU:          | INTEL 7   |
| ● MEMORY:       | 34GB      |
| ● MAIN DISK:    | 500MG SSD |
| ● STORAGE DISK: | 2TB HD    |
| ● GPU:          | 6GB       |

### SOFTWARE REQUIREMENTS:

- |                     |                            |
|---------------------|----------------------------|
| ● OPERATIVE SYSTEM: | WINDOWS 10                 |
| ● NAVIGATOR:        | GOOGLE CHROME              |
| ● MESSENGER:        | SKYPE                      |
| ● TRADING PLATFORM: | ALPHA<br>BETA<br>QUANTOWER |



#### **4. BLACK PRO Workstation by Nexow Systems**

## 4. BLACK PRO Workstation by Nexow Systems

Fast and high performance computer to support up to 9 desks and be able to use Quantower at maximum charting level as it contains 32Gb of RAM Memory.



**4. BLACK PRO Workstation price:**



**Starting at \$ 3,500**

## IT SERVERS

### HARDWARE REQUIREMENTS:

- |                 |           |
|-----------------|-----------|
| ● CPU:          | INTEL 7   |
| ● MEMORY:       | 34GB      |
| ● MAIN DISK:    | 500MG SSD |
| ● STORAGE DISK: | 2TB HD    |
| ● GPU:          | 6GB       |

### SOFTWARE REQUIREMENTS:

- |                     |                       |
|---------------------|-----------------------|
| ● OPERATIVE SYSTEM: | LINUX UBUNTU 9 (CORE) |
|---------------------|-----------------------|



## **5. HP Enterprise 868703-B21 Server**

## 5. HP Enterprise 868703-B21 Server

Hewlett Packard Enterprise ProLiant DL380 Gen10. Supported RAM: DDR4-SDRAM. Supported storage drive interfaces: Serial Attached SCSI (SAS). Ethernet interface type: Fast Ethernet, Gigabit Ethernet, Ethernet LAN data transfer rates: 10,100,1000 Mbit / s, LAN controller: HP 330i. Enclosure type: Rack (2U), LED displays: heating, number of fans: 4 fans. Width: 873 mm, depth: 4454 mm, height: 6794 mm.



**5. HP Enterprise 868703-B21 Server price:**



**Starting at \$ 2,000**