

Z BY HP DATA SCIENCE SOLUTIONS



Z by HP delivers high-performance workstations to meet the demands of advanced analytics—right out of the box. Our desktops and notebooks are packed with industry-leading hardware and software innovations designed to accelerate your Data Science workflow.

PRELOADED SOFTWARE STACK

We've taken the guess work out of creating the optimal data science environment by testing and preloading the most popular data science tools on select ZBooks and Z desktops. Save countless days installing, configuring, and maintaining your data science environment by choosing the preloaded data science software stack, and be productive from day one.

SOFTWARE TOOLS

Get the most popular tools for analyzing data and creating powerful models. Enjoy seamless management of package updates and dependencies so that your environment is always ready-to-use.



RAPIDS **XGBoost** **ANACONDA**

DEVELOPER UTILITIES

Easily create and deploy your data science applications while managing your data science tools and models.



UBUNTU. CERTIFIED AND PREINSTALLED.

We've partnered with Canonical to extensively test and certify the latest version of Ubuntu OS so it performs at its best.¹



ENHANCED CLOUD EXPERIENCE

Interact seamlessly with your main cloud environment with cloud command line access.



WHY Z BY HP?

Innovation is in our DNA. Our engineers' sole job is to anticipate your needs before you even realize them and bring innovation you can't get anywhere else.

FULL-THROTTLE PERFORMANCE

We start with enterprise-class components and work closely with partners like Intel and NVIDIA to test and certify them on our Z workstations. We conduct over 360,000 hours of brutal testing to help ensure you get max performance even on computation and graphics-heavy workflows.

SECURE TO THE CORE

Even one security incident can be catastrophic when you're handling valuable IP. Block crippling cyber-attacks with the world's most secure workstations.³

PRO-GRADE COLLABORATION

Our proprietary remote collaboration technology allows dispersed teams to work together in real time. By remotely harnessing the power of Z, every user gets fast responsiveness and image quality, even with big data visualizations.²

OPTIMIZED PERFORMANCE FOR DATA SCIENCE

We run our Z devices through actual workflows and then adjust the component mix until we find the configurations that deliver a powerful experience.

DATA SCIENCE RECOMMENDED CONFIGURATIONS

Boost your productivity and dramatically speed up time to insight with our recommended specs.

ZBOOK STUDIO G7

85 million rows of data
in minutes vs. hours



The light and mobile choice for business intelligence managers or data analysts

- Ubuntu 20.04
- Data Science Software Stack
- Intel® Core™ i9-10885H⁴
- NVIDIA® Quadro RTX™ 5000 GPU (16GB)
- 32GB RAM
- 2TB PCIe NVMe SSD⁵

Z4 G4 DESKTOP

2-3 billion rows of data
in minutes vs. hours



The perfect choice for data wrangling, cleaning, and visualization

- Ubuntu 20.04
- Data Science Software Stack
- Intel® Xeon® W-2295 18C⁴
- NVIDIA® RTX™ 8000 GPU (48GB)
- 192GB RAM
- 4TB PCIe NVMe SSD⁵

Z8 G4 DESKTOP

4-5 billion rows of data
in minutes vs. hours



The ultimate choice for complex simulation and machine learning

- Ubuntu 20.04
- Data Science Software Stack
- Dual Intel® Xeon® W⁴
- Dual NVIDIA RTX A6000 GPU's + NVLINK (96GB)
- 384GB RAM
- 2x 2TB HP Z Turbo Drive M2 SSD⁵

Learn more about our powerful desktops and notebooks designed for data science: [HP.com/DataScience](https://www.hp.com/DataScience)

1. For detailed Linux® OS/hardware support information, see: http://www.hp.com/support/linux_hardware_matrix.

2. HP ZCentral Remote Boost Sender does not come preinstalled on Z Workstations but can be downloaded and run on all Z desktop and laptops without license purchase. With non-Z sender devices, purchase of perpetual individual license or perpetual floating license per simultaneously executing versions and purchase of ZCentral Remote Boost Software Support is required. ZCentral Remote Boost Sender for non-Z Hardware requires a license and Windows 10, RHEL/CentOS (7 or 8), or UBUNTU 18.04 or 20.04 LTS operating systems. macOS (10.14 or newer) operating system and ThinPro 7 are only supported on the receiver side. Requires network access. The software is available for download at hp.com/ZCentralRemoteBoost.

3. Based on HP's unique and comprehensive security capabilities at no additional cost among vendors on HP Workstations with Windows and 8th Gen and higher Intel® processors.

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

5. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of disk is reserved for system recovery software.

