



Data sheet



# KRONOS 540-G3

midtower workstation

intel  
partner  
Titanium

UPC Code





### Perfect for

- › CAD
- › CAE
- › 3D rendering
- › Post-production software

### CIARA workstations

CIARA offers high-performance workstations that are designed to target the most demanding CAD, CAE, 3D rendering and post-production software. The KRONOS workstations are purpose-built, quiet, energy-efficient and optimized to increase profitability as well as workflow productivity.

### Design for professionals

The Kronos 540-G3 Workstation is designed for professionals in AI training, deep learning, animation, 3D rendering or media production. Featuring expandable graphics, extensive storage, impressive connectivity and exceptional overall performance and reliability, The Kronos 540-G3 is the ideal solution for creative professionals. It includes centralized management software, so it is also an efficient and cost-effective option for IT administrators.

### ECC Memory Support

Designed for creative professionals who require outstanding performance, reliability and enhanced security, The Kronos 540-G3 workstation is powered by the latest Intel® Core™ Ultra Processors (Series 2) processors for always-on usage scenarios and supports ECC memory to automatically detect and correct data corruption, reducing the chance of system crashes to ensure workstation stability.



Data sheet

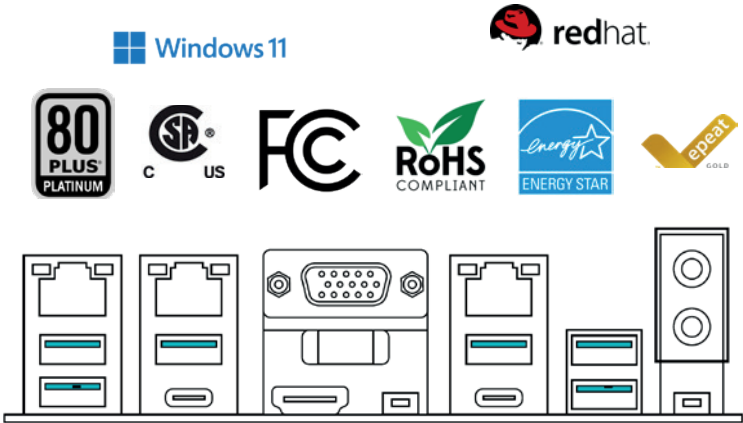
TECH SPECS

|                    |                                                                                                                                                                                                                                                                                                                                    |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor        | ATX Mid-Tower or 4U rackmount chassis                                                                                                                                                                                                                                                                                              |
| Chipset            | Intel® W880                                                                                                                                                                                                                                                                                                                        |
| Processor          | Intel® Core™ Ultra (Series 2) in the LGA1851 package.                                                                                                                                                                                                                                                                              |
| Memory             | Up to 256 GB, 4 DIMM, DDR5, 6400 MT/s, ECC and non-ECC<br><b>The base memory operates in dual-channel mode and provides on-die ECC (Built-in Data Checking)</b>                                                                                                                                                                    |
| Cooling system     | Industrial grade advanced high performance available                                                                                                                                                                                                                                                                               |
| Storage            | 1 M.2 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)<br>1 M.2 slot (Key M), type 2280 (supports PCIe4.0 x4 mode)<br>1 M.2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)<br>1 M.2 slot (Key M), type 2280 (supports PCIe 4.0 x4 mode)<br>4 SATA 6 Gb/s ports - RAID 0, 1, 5, 10 ;<br>1 SlimSAS port. |
| Expansion Slots    | 2 PCIe 5.0 x16 slots (supports x16 or x8/x8 modes)<br>1 PCIe 4.0 x16 slot (supports x4 mode)                                                                                                                                                                                                                                       |
| Video              | Video controller with 4GB or better with at least one HDMI 2.1 port and at least one DisplayPort 1.4 or better port; or two DisplayPort 1.4 ports or better.<br>Other optional video cards are available upon request.                                                                                                             |
| Audio              | Realtek® ALC1220P, 8-channel high definition audio codec.<br>Built-in speaker for the recreation of Windows generated sound events                                                                                                                                                                                                 |
| Network Controller | 2 Intel® Ethernet 2.5 Gb/s that support Wake-On-LAN and PXE Boot<br>1 Realtek® 1 Gb/s Ethernet dedicated for AST2600                                                                                                                                                                                                               |
| Top I/O Ports      | 1 USB 20 Gb/s type C port<br>3 USB 5 Gb/s type A ports<br>2 audio jacks                                                                                                                                                                                                                                                            |
| Rear I/O Ports     | 1 Thunderbolt™ 4 USB Type-C® PD type port<br>1 USB 20 Gb/s Type-C® port<br>6 USB 10 Gb/s Type-A ports<br>2 network ports (RJ45)<br>1 network port dedicated for management<br>2 audio jacks<br>1 HDMI 2.1 port                                                                                                                     |
| Internal headers   | 4 USB 2.0 ports<br>4 SATA 6 Gb/s ports and 1 SlimSAS port<br>1 TPM header<br>1 serial port header                                                                                                                                                                                                                                  |
| Casing             | Tower or 4U rackmount chassis                                                                                                                                                                                                                                                                                                      |
| Dimensions         | 528 mm H x 205 mm L x 500 mm P (54.12 L)                                                                                                                                                                                                                                                                                           |
| Power Supply       | 1250 W, 80 PLUS® Platinum                                                                                                                                                                                                                                                                                                          |



KRONOS 540-G3

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|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Optical Drive          | Wide choice of optical drives and writers available                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Safety Features        | Management utilities for Embedded UEFI/BIOS tamper resistance integrated<br>Header for Trusted Platform Module 2.0<br>Intel® Trusted Execution Technology Ready<br>FIPS 140-2 and TCG certified<br>NIST SP 800-147 compliant, secure UEFI<br>Management utilities for Pre-boot and multi-factor authentication set up integrated                                                                                                                                                                                  |
| Management Tools       | DMI LANDesk Client Manager Browser<br>Updatable BIOS from either floppy drive, hard drive or network<br>CIM, SMBIOS, DEN, WBEM and ASF standards compliant, latest versions<br>DMI 2.0 compliant hardware management system<br>Intel® Wired for Management Technology (WfM)<br>SIPP stable image platform eligible<br>Supports Intel Virtualization Technology (VT-x)<br>Supports Intel AMT enabled from the factory; the ability to provision Intel AMT for use is available after the system has been deployed. |
| Environmental Features | APM 2.0 and ACPI 3.0 compliant power management<br>Power consumption depending on system load (EIST)<br>Overheat protection and shut down<br>CPU fan speed adjusted depending on CPU temperature<br>EPA ENERGY STAR® 8.0 standard qualified<br>Bulk packaging and delivery available on request                                                                                                                                                                                                                   |



## Why Choose Hypertec?

We work with the top software, hardware, storage and Cloud partners in order to get you where you need to be faster, better, and more efficiently.



### In-House Expertise & High-Performance Products

Due to our in-house engineering expertise, our CIARA products deliver high performance hardware solutions customized for any workload.



### Top Hardware & Software Partnerships

Our solid hardware partnerships with Intel®, AMD, and NVIDIA® and top software leaders like Autodesk, Colorfront and Chaos allow us to provide top solutions.



### Dedicated Support & Expert Consulting Team

Our veteran team has +20 Years of experience working with leaders in the field. You can rely on our team for support and guidance at any step of your project.



### Accessible Financing Options

We have different financing options for North America, and we help you meet your credit requirements for your project-specific needs.



### Sustainable Hardware & Data Center Solutions

We build and integrate custom sustainable data center hardware and immersion cooling solutions that help lower your OPEX and CAPEX.



### Performance-Optimized Cloud Infrastructure

We offer reliable, secure, and tailored cloud infrastructure for the most demanding workloads and applications at a balanced price point.



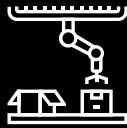
The 360° Hypertec  
Solution

We bring a full 360° solution so all you need to do is sit back and enjoy all the benefits without the headache and save on OPEX and CAPEX. Our professional services enhance your IT journey by reducing time, TCO, effort and resources.

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Learn more



Factory  
Assembly



BIOS & Firmware  
Settings



Software & OS  
Installation



Customer  
Image



Installation  
Planning



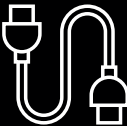
Unpacking  
New Systems



Onsite  
Installation



Network-Power  
Connection



Component  
Connection



Network Device  
Connection



Global  
Warranty



Workflow & Pipeline  
Consulting

Limited Warranty

Hardware warranty includes a one year, parts and labour with return to Hypertec USA or Canada. Customers may purchase an extended warranty of up to 5 years on parts and labour with different support levels. For additional information regarding worldwide limited warranty and technical support, please visit: <https://hypertec.com/support-services-policy/>.