



Data sheet



KRONOS 545-G3

full tower workstation

intel.
partner
Titanium





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.

Performance, productivity, proven

The KRONOS 545-G3 workstation is deftly tailored for creative professionals, developers and engineers, unleashing the dominate performance of the latest Intel Xeon processors, with CPU and memory overclocking capability. Featuring an optimized memory trace layout, advanced power stage design, server-grade IPMI remote management, and ultrafast PCIe 5.0 and networking connectivity, KRONOS 545-G3 melds no-compromise engineering with incredible aesthetics.

Multi-GPU support

The KRONOS 545-G3 features seven PCIe 5.0 x16 slots for high-powered graphics cards, enabling enhanced performance for professional design, modeling, simulation and rendering applications.



Data sheet

TECH SPECS

Form Factor	EEB Full-tower
Motherboard	Asus® Pro WS W790E-SAGE SE
Chipset	Intel® W790
Processor	Intel® Xeon® W3, W5, W7 2400 and 2500 series or W3, W5, W7, W9 3400 and 3500 series - socket LGA4677
Memory	Up to 2048 GB, 8 LRDIMM, DDR5, 5600 MT/s, CCE registered
Cooling system	Premium grade quiet cooling solutions for Intel® Xeon® W processors
Storage	1 M.2_1 slot (Key M), type 2242/2260/2280/22110 (PCIe 5.0 x4 mode)*** 1 M.2_2 slot (Key M), type 2242/2260/2280/22110 (PCIe 5.0 x4 mode)*** 1 M.2_3 slot (Key M), type 2242/2260/2280/22110 (PCIe 4.0 x4 mode)** 1 SlimSAS_1 port supports PCIe 4.0 x4 mode NVMe device** 1 SlimSAS_2 port supports PCIe 4.0 x4 mode NVMe device** 8 SATA 6Gb/s ports** * Supports Intel® Virtual RAID on CPU (Intel® VROC) and Intel Volume Management Device (Intel®VMD) ** Intel® VROC Technology supports PCIe RAID 0/1/5/10, SATA RAID 0/1/5/10. VROC HW_Key is purchased separately. *** M.2_1 and M.2_2 slots will be disabled once an Intel® Xeon® W-2500 Series Processor is installed.
Expansion Slots	Intel® Xeon® W-3500 Series Processors 7 x PCIe 5.0 slots (Seven at x16/x16/x16/x16/x16/x8/x16) Intel® Xeon® W-2500 Series Processors 4 x PCIe 5.0 slots (Four at x16/x16/x16/x16)
Video	Discrete video controller with 8 GB GDDR6 and 4 mini DisplayPort. Other optional video cards are available upon request.
Audio	8-channel HD audio, Realtek® ALC S1220A codec Built-in speaker for the recreation of Windows generated sound events
Network Controller	1 Intel® dual 10 Gb that supports Wake-On-LAN and PXE Boot and 1 Realtek® 1 Gb dedicated to BMC
Wireless & Bluetooth®	M.2 slot only (Key E, PCIe) (Optional Wi-Fi module)
Top I/O Ports	1 USB 3.2 Gen 2 Type-C® ports 3 USB 3.2 Gen 1 Type-A ports 2 audio jacks
Rear I/O Ports	1 USB 3.2 Gen 2x2 type-C® port 4 USB 3.2 Gen 2 type A ports + 1 USB 3.2 Gen 2 type-C® port 2 USB 2.0 type A ports 1 VGA port 2 Intel® dual 10 Gb Ethernet ports 1 Realtek 1 Gb Ethernet port 5 audio jacks 1 Optical S/PDIF out port 1 BIOS FlashBack button 1 Clear CMOS button
Internal headers	4 USB 2.0 ports 1 VROC Key header



KRONOS 545-G3

Casing	CIARA S777-11 EEB Full-tower
Dimensions and weight	528 mm H x 205 mm W x 500 mm D (54.12 L) - 15.803 kg
Power Supply	1250 W, 80 PLUS® Platinum
Optical Drive	Wide choice of optical drives and writers available
Safety Features	Management utilities for Embedded UEFI/BIOS tamper resistance integrated Embedded Trusted Platform Module 2.0 Intel® Trusted Execution Technology Ready FIPS 140-2 and TCG certified Computrace protection utility present in BIOS NIST SP 800-147 compliant, secure UEFI Management utilities for Pre-boot and multi-factor authentication set up integrated
Management Tools	DMI LANDesk Client Manager Browser Updatable BIOS from either floppy drive, hard drive or network CIM, SMBIOS, DEN, WBEM and ASF standards compliant, latest versions DMI 2.0 compliant hardware management system Intel® Wired for Management Technology (WfM) Supports Intel Virtualization Technology (VT-x) 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 Power consumption depending on system load (EIST) Overheat protection and shut down - CPU fan speed adjusted depending on CPU temperature EPA ENERGY STAR® 8.0 standard qualified



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.



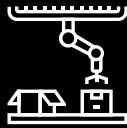
The 360° Hypertec Solution

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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Factory
Assembly



BIOS & Firmware
Settings



Software & OS
Installation



Customer
Image



Installation
Planning



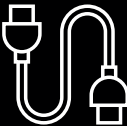
Unpacking
New Systems



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/>.