

KRONOS 540

Tower workstation



Form factor	EATX Mid-Tower
Chipset	Intel® X299
Processor	Intel® 7 th generation Core™ i5 X-series or Intel® 7 th generation Core™ i7 X-series Intel® 7 th generation Core™ i9 X-series or Intel® 7 th generation Core™ i9 Extreme edition all in the LGA2066 package.
Motherboard	Asus® WS X299 PRO/SE
Cooling system	Industrial grade advanced high performance
Memory	Up to 128 GB, 8 DIMM (6-core above) or up to 64 GB, 4 DIMM (4-core) ; DDR4, 2666 MHz, non-ECC
Casing	Mid-Tower, In Win® PE689, 430 mm (H) x 200 mm (L) x 460 mm (D)
Video	GeForce GTX 1080 with 8 GB GDDR5, 256-bit PCI Express 3.0, 3 DisplayPort 1.4, 1 HDMI 2.0b and 1 DVI-D
Audio	Realtek® ALC S1220A, 8-channel high definition audio codec
Network	2 Ethernet 1 Gigabit controllers : Intel® I210-AT
Storage	1 M.2 slot, socket 3 with M key, type 2242/2260/2280 storage devices support (PCIe 3.0 x4) ^{*1} ; 1 M.2 slot, socket 3 with M key, type 2242/2260/2280 storage devices support (SATA & PCIe) ^{*2} ; 1 U.2 connector - Intel® Optane™ memory ready - 6 SATA 6 Gb/s ports - RAID 0, 1, 5, 10 ; OS drive : SSD 128 GB to 2 TB, MLC NAND technology ; optional recovery disk : SATAIII or SSD.
Optical drive	Wide choice of optical drives and writers available
Expansion slots	4 PCIe 3.0 x16 slots ; 1 PCIe 3.0 x4 slot
I/O ports	2 network ports (RJ45) ; 2 USB 3.1 gen. 2 type A ports (1 rear, 1 int. header) ; 1 USB 3.1 gen. 2 type C (rear), 6 USB 3.1 gen 1 ports (2 front, 4 rear) ; 6 USB 2.0 4 ports (4 rear, 2 int. header) 1 optical S/PDIF out, 5+2 audio jacks ; 1 serial port header ; 2 M.2 Socket 3 with M key slots ; 1 U.2 connector ; 6 SATA 6 Gb/s ports
Power supply	1200 W, 80 PLUS® Platinum
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)
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 Embedded UEFI/BIOS secure data isolation integrated Management utilities for Pre-boot and multi-factor authentication set up integrated Encrypted containment of multi-factor credential data to facilitate single pre-boot authentication log in
Environment	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
Warranty	One year, parts and labour, return to CIARA. All CIARA customers may elect to purchase an extended three year warranty additional to the standard one year warranty. If you are interested in purchasing a warranty extension, please advise your CIARA representative when requesting a quotation.
Notes	*1 Bandwidth is shared between M.2_2 and U.2 *2 SATA Bandwidth is shared between M.2_1 and SAT6G_1

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1-877-242-7272 | sales@ciaratech.com | www.ciaratech.com



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