

Tx100-ACE

Provides performance and versatility to address your most demanding applications

Exatron Tx100 Workstation are 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, Exatron Workstation are the ideal solution for creative professionals.

Exatron Tx100

- Modern Intel CPU Support
- Flexible Memory Options
- High-Speed Storage & Graphics
- Excellent Connectivity

Ideal for

- Corporate Desktops / Business Workstations
- Specialized Industrial PC
- High-Performance or Small Servers

Two M.2 Slots

The W790 features two M.2 slots wired for PCIe 4.0 bandwidth. Creators working with massive video files can assemble multiple NVMe drives in a RAID formation for massive I/O bandwidth and seamless playback in their editing bays. Two of these M.2 slots rest under dedicated heatsinks to prevent SSD throttling under heavy loads.

Multi-GPU Support

W790 features five PCIe 5.0 x16 slots for high-powered graphics cards, enabling enhanced performance for professional design, modeling, simulation and rendering applications

Intel W790 chipset

Intel W790 is a workstation-class chipset designed for Intel Xeon W-2400/W-3400 processors (LGA 4677). It supports ECC DDR5 RDIMM, high memory capacity, and professional-grade stability. Provides massive PCIe Gen5 lanes for multi-GPU, NVMe, and expansion-heavy workloads. Used in high-end workstations for 3D rendering, simulations, and content creation.



Remote Management

The Workstation supports remote management with IPMI expansion card (Add on Card), bringing the benefits for applications that ask for high-performance systems, yet sufficiently and remotely monitoring system status and able to provide real-time troubleshooting. Administrators can remotely communicate with client devices to take some corrective actions — such as resetting or power cycling a system.

10G & 2.5G Ethernet

One Marvell® AQC113CS 10G Ethernet is ready for network attached storage (NAS) and one Intel® I226-LM 2.5G Ethernet port is ready for streaming or file upload..



Feature	Technical Specifications
Chipset	Intel® W790 Chipset
CPU SUPPORT	<ul style="list-style-type: none"> • Intel® Socket LGA4677 for Xeon® W-3400 and W-2400 Series Processors* • Supports Intel® Turbo Boost Max Technology 3.0
MEMORY	<ul style="list-style-type: none"> • 8 x DIMM slots, Max. 2048GB, DDR5 6800(OC)/6600(OC)/6400(OC)/6200(OC)/6000(OC)/5800(OC)/5600(OC)/5400(OC)/5200(OC)/5000(OC)/4800 ECC Registered Memory* • Quad Channel Memory Architecture • Supports Intel® Extreme Memory Profile (XMP) <p>(The CPU and memory configuration may affect the supported memory types, data rate (speed), and number of DRAM modules, please refer to "Memory Support")</p>
Expansion Slots	<p>Intel® Xeon™ W-3400 and W-2400 Series Processors</p> <ul style="list-style-type: none"> • 5 x PCIe 5.0 x16 slot(s) (supports x16, x16, x16, x0/x8, x16/x8 modes) <p>* Please check the PCIe bifurcation table on the support</p>
Storage	<ul style="list-style-type: none"> • Total supports 2 x M.2 slots, 4 x SATA 6Gb/s ports and 3 x SlimSAS ports* • Intel® W790 Chipset** • M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 mode) • M.2_2 slot (Key M), type 2280 (supports PCIe 4.0 x4 mode) • SlimSAS_1 slot supports PCIe 3.0 x4 mode NVMe device • SlimSAS_2 slot supports PCIe 4.0 x4 mode or up to 4 SATA devices via a transfer cable. The cable is purchased seperately. • SlimSAS_3 slot supports PCIe 4.0 x4 mode NVMe device • 4 x SATA 6Gb/s ports* <p>* Supports Intel® Virtual RAID on CPU (Intel® VROC) and Intel Volume Management Device (Intel®VMD)</p> <p>** Intel® VROC Technology supports PCIe RAID 0/1/5/10, SATA RAID 0/1/5/10. VROC HW_Key is purchased separately.</p>

<p>Ethernet</p>	<ul style="list-style-type: none"> • 1 x Marvell® AQtion 10Gb Ethernet • 1 x Intel® 2.5Gb Ethernet • LANGuard
<p>Audio</p>	<p>Realtek S1220A 7.1 Surround Sound High Definition Audio CODEC*</p> <ul style="list-style-type: none"> - Impedance sense for front and rear headphone outputs - Internal audio Amplifier to enhance the highest quality sound for headphone and speakers - Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking - High quality 120 dB SNR stereo playback output and 113 dB SNR recording input (Line-in) - Supports up to 32-Bit/192 kHz playback* <p>Audio Features</p> <ul style="list-style-type: none"> - Power pre-regulator reduces power input noise to ensure consistent performance - Rear optical S/PDIF out port - Premium audio capacitors - Dedicated audio PCB layers - Unique de-pop circuit <p>* Due to limitations in HDA bandwidth, 32-Bit/192 kHz is not supported for 7.1 Surround Sound audio.</p>
<p>USB</p>	<p>Rear USB (Total 13 ports)</p> <ul style="list-style-type: none"> 1 x USB 3.2 Gen 2x2 port(s) (1 x USB Type-C®) 4 x USB 3.2 Gen 2 port(s) (4 x Type-A) 8 x USB 2.0 port(s) (8 x Type-A) <p>Front USB (Total 7 ports)</p> <ul style="list-style-type: none"> 1 x USB 3.2 Gen 2x2 (supports USB Type-C®) 1 x USB 3.2 Gen 1 header(s) support(s) 2 additional USB 3.2 Gen 1 ports 2 x USB 2.0 header(s) support(s) 4 additional USB 2.0 ports
<p>Internal I/O Connectors</p>	<p>Fan and Cooling related</p> <ul style="list-style-type: none"> 1 x 4-pin CPU Fan header(s) 1 x 4-pin CPU OPT Fan header(s) 5 x 4-pin Chassis Fan header(s) 1 x W_PUMP+ header(s) <p>Power related</p> <ul style="list-style-type: none"> 2 x 24-pin Main Power connector 4 x 8-pin +12V Power connector 1 x 8-pin PCIe Power connector <p>Storage related</p> <ul style="list-style-type: none"> 2 x M.2 slots (Key M) 3 x SlimSAS slots 4 x SATA 6Gb/s ports

	USB 1 x USB 3.2 Gen 2x2 connector (support(s) USB Type-C®) 1 x USB 3.2 Gen 1 header(s) support(s) 2 additional USB 3.2 Gen 1 ports 2 x USB 2.0 header(s) support(s) 4 additional USB 2.0 ports Miscellaneous 1 x BMC header 1 x COM Port header 1 x FlexKey button 1 x Front Panel Audio header (AAFP) 1 x LN2 Mode jumper 1 x ReTry button 1 x Start button 1 x SPI TPM header (14-1pin) 1 x 20-3 pin System Panel header with Chassis intrude function 1 x Thermal Sensor header 1 x VROC Key header
Back Panel I/O Ports	1 x USB 3.2 Gen 2x2 port(s) (1 x USB Type-C®) 4 x USB 3.2 Gen 2 port(s) (4 x Type-A) 8 x USB 2.0 port(s) (8 x Type-A) 1 x Marvell® AQtion 10Gb Ethernet port 1 x Intel® 2.5Gb Ethernet port 5 x Audio jacks 1 x Optical S/PDIF out port 1 x BIOS FlashBack™ button 1 x Clear CMOS button
BIOS	512 Mb Flash ROM, UEFI AMI BIOS
OS SUPPORT	Supports Windows Windows 10(64bit) / Windows 11(64bit)

Plot No 11(E), KIADB Industrial Area Bashettihalli Village, Kasaba Hobli, Doddaballapura, Bangalore, Karnataka - 561 203

Email: info@exatron.in; Toll Free : 1800 309 9850

Website: <https://exatron.in/>

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