

# Tx100-AI

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 Performance

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

## Two M.2 Slots

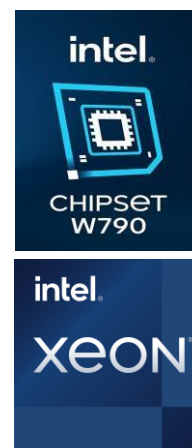
The W790 features two M.2 slots wired for PCIe 4.0 bandwidth. Creators working with massive video files can assemble multiple NVMe drives in a RAID formation for massive I/O bandwidth and seamless playback in their editing bays. Two of these M.2 slots rest under dedicated heatsinks to prevent SSD throttling 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"> <li>• LGA4677 socket: Support for Intel® Xeon® W-3500/W-3400/W-2500/W-2400 Series Processors</li> <li>• L3 cache varies with CPU</li> </ul>
MEMORY	<ul style="list-style-type: none"> <li>• Support for 5600(O.C.) / 4800 MHz memory modules</li> <li>• 8 x DDR5 DIMM sockets               <ul style="list-style-type: none"> <li>- Intel® Xeon® W-3500/W-3400 Series Processors support 8-Channel memory architecture</li> <li>- Intel® Xeon® W-2500/W-2400 Series Processors support 4-Channel memory architecture</li> </ul> </li> <li>• The DDR5_C1, DDR5_D1, DDR5_G1, and DDR5_H1 sockets become unavailable when an Intel® Xeon® W-2500/W-2400 series processor is used.</li> <li>• Support for DDR5 ECC Registered memory modules and up to 2TB of system memory</li> <li>• RDIMM-3DS memory supports up to 256 GB per DIMM</li> <li>• RDIMM memory supports up to 64 GB per DIMM</li> </ul> <p>Support for Extreme Memory Profile (XMP) memory modules</p> <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"> <li>• 5 x PCIe 5.0 x16 slot(s) (supports x16, x16, x16, x0/x8, x16/x8 modes)</li> </ul> <p>* Please check the PCIe bifurcation table on the support</p>

<p>Storage</p>	<ul style="list-style-type: none"> <li>• Total supports 2 x M.2 slots, 4 x SATA 6Gb/s ports and 3 x SlimSAS ports*</li> <li>• Intel® W790 Chipset**</li> <li>• M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 mode)</li> <li>• M.2_2 slot (Key M), type 2280 (supports PCIe 4.0 x4 mode)</li> <li>• SlimSAS_1 slot supports PCIe 3.0 x4 mode NVMe device</li> <li>• SlimSAS_2 slot supports PCIe 4.0 x4 mode or up to 4 SATA devices via a transfer cable. The cable is purchased separately.</li> <li>• SlimSAS_3 slot supports PCIe 4.0 x4 mode NVMe device</li> <li>• 4 x SATA 6Gb/s ports*</li> </ul> <p>* Supports Intel® Virtual RAID on CPU (Intel® VROC) and Intel Volume Management Device (Intel®VMD)</p> <ul style="list-style-type: none"> <li>• ** Intel® VROC Technology supports PCIe RAID 0/1/5/10, SATA RAID 0/1/5/10. VROC HW_Key is purchased separately.</li> </ul>
<p>Ethernet</p>	<ul style="list-style-type: none"> <li>• Intel® X710-AT2 10GbE LAN chip (10 Gbps/5 Gbps/2.5 Gbps/1 Gbps/100 Mbps)</li> <li>• * Wake On LAN not supported</li> </ul>
<p>Audio</p>	<ul style="list-style-type: none"> <li>• Realtek® Audio CODEC High Definition Audio 2/4/5.1/7.1-channel</li> <li>• You can change the functionality of an audio jack using the audio software. To configure 7.1-channel audio, access the audio software for audio settings.</li> <li>• Support for S/PDIF Out</li> </ul>
<p>USB</p>	<ul style="list-style-type: none"> <li>• Chipset+Intel® Thunderbolt™ 4 Controller:             <ul style="list-style-type: none"> <li>- 2 x USB4® USB Type-C® ports on the back panel</li> </ul> </li> <li>• Chipset:             <ul style="list-style-type: none"> <li>- 1 x USB Type-C® port with USB 3.2 Gen 2x2 support, available through the internal USB header</li> <li>- 2 x USB 3.2 Gen 2 Type-A ports (red) on the back panel</li> <li>- 6 x USB 3.2 Gen 1 ports (4 ports on the back panel, 2 ports available through the internal USB header)</li> </ul> </li> <li>• Chipset+USB 2.0 Hub:             <ul style="list-style-type: none"> <li>- 4 x USB 2.0/1.1 ports available through the internal USB headers</li> </ul> </li> </ul>

Internal I/O Connectors	<p>1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0/GC-TPM2.0 SPI V2 module only)</p> <p>1 x power button</p> <p>1 x reset button</p> <p>1 x Q-Flash Plus button</p> <p>1 x speaker header</p> <p>1 x reset jumper</p> <p>2 x temperature sensor headers</p> <p>1 x Clear CMOS jumper</p> <p>1 x Intel® VROC Upgrade Key header</p> <p>6 x M.2 Socket 3 connectors</p> <p>8 x SATA 6Gb/s connectors</p> <p>1 x front panel header</p> <p>1 x front panel audio header</p> <p>1 x USB Type-C® header, with USB 3.2 Gen 2x2 support</p> <p>1 x USB 3.2 Gen 1 header</p> <p>2 x USB 2.0/1.1 headers</p> <p>1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0/GC-TPM2.0 SPI V2 module only)</p> <p>1 x power button</p> <p>1 x reset button</p> <p>1 x Q-Flash Plus button</p> <p>1 x speaker header</p> <p>1 x reset jumper</p> <p>2 x temperature sensor headers</p> <p>1 x Clear CMOS jumper</p> <p>1 x Intel® VROC Upgrade Key header</p>
Back Panel I/O Ports	<p>2 x DisplayPort</p> <p>2 x Thunderbolt™ 4 connectors (USB4® USB Type-C® ports)</p> <p>2 x antenna connectors (2T2R)</p> <p>2 x USB 3.2 Gen 2 Type-A ports (red)</p> <p>4 x USB 3.2 Gen 1 ports</p> <p>2 x RJ-45 ports</p> <p>1 x optical S/PDIF Out connector</p> <p>2 x audio jacks</p>
BIOS	<p>1 x 512 Mbit flash</p> <p>Use of licensed AMI UEFI BIOS</p> <p>PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0</p>
OS SUPPORT	<p>Supports Windows Windows 10(64bit) / Windows 11(64bit)</p>

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

Email: [info@exatron.in](mailto:info@exatron.in); Toll Free : 1800 309 9850

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

Disclaimer : Copyright © 2023 Exatron Servers Manufacturing Pvt Ltd. All rights reserved. Exatron and Exatron Logo are trademarks of Exatron Servers Manufacturing Pvt Ltd. Other products and company names mentioned herein may be trademarks of their respective companies. Product specifications and Images are subject to change without notice.



Learn more about our servers



Learn more about our system management solutions



Search our Resource Library



Follow us on [LinkedIn](#)



Contact an Exatron Technologies Expert for Sales and Support