

Essential Series

FULL
TOWER
FORM FACTOR



1
CPU



8
DIMM



IMAGES FOR ILLUSTRATIVE PURPOSES ONLY. NO GPU OR PSU IS INCLUDED WITH THIS PRODUCT.

510G-IX1P7E

FULL-SIZED TOWER CHASSIS WITH MOTHERBOARD BUNDLE

REFERENCE NUMBERS

- Bundle package: 510G-IX1P7E
- Chassis: ZW-CTFH690JT
- Motherboard: ZW-MX31A72G

FEATURES

- 3RD GEN. INTEL® XEON® SCALABLE PROCESSORS
- INTEL® XEON® W-3300 PROCESSOR FAMILY
- DDR4, 8 X RDIMM / LRDIMM / RDIMM-3DS, DIMM SLOTS
- DUAL 1GB/S LAN SUPPORT (RJ45)
- OPTIMIZED AIR COOLING / WATER COOLING READY TOWER CHASSIS
- 7 X PCIE GEN4 EXPANSION SLOTS

APPLICATIONS

- AI Inference
- 3D Rendering
- Factory Automation
- 3D Modeling & Simulation
- Digital Twin



DIMENSIONS	591mm x 249mm x 691mm / 23.27in x 9.8in x 27.2in (w/ wheels) 591mm x 249mm x 630mm / 23.27in x 9.8in x 24.8in (w/o wheels)
MOTHERBOARD	ATX 304.8mm x 244mm / 12in x 9.6in (L x W)
CPU	3rd Generation Intel® Xeon® Scalable Processors Intel Xeon® Platinum / Gold / Silver Processor support Intel Xeon® W-3300 Processor support up to 270W TDP
SOCKET	1 x LGA 4189 (Socket P+)
CHIPSET	Intel C621A
MEMORY	8 x DDR4 RDIMM / LRDIMM / RDIMM-3DS slots RDIMM / LRDIMM modules (up to 128GB) RDIMM-3DS modules (up to 256GB) 1.2V modules (3200/2933/2666 MHz)
LAN	2 x 1Gbps Intel LAN ports (Intel I210-AT) 1 x Gigabit management port (BMC)
VIDEO	Integrated Aspeed® AST2600 1920x1200@60Hz, DDR4 SDRAM
STORAGE	3 x 3.5" / 2.5" SATA 6Gbps HDD bays 2 x 2.5" SATA 6Gbps HDD bays 1 x M.2 NVMe PCIe Gen3 x4 SSD slot (2280, M-key)
RAID	Intel® SATA RAID 0/1/10/5
EXPANSION SLOTS	7 x PCIe Gen4 slots Max: 4 x PCIe Gen4 x16 Slots / 1 x PCIe Gen 4 x16 Slot + 6 x PCIe Gen 4 x 8 Slots Slot_7: PCIe x16 (Gen4 x16 bus) slot Slot_6: PCIe x16 (Gen4 x16 or x8 bus) slot, shared with Slot_5 Slot_5: PCIe x16 (Gen4 x0 or x8 bus) slot Slot_4: PCIe x16 (Gen4 x16 or x8 bus) slot, shared with Slot_3 Slot_3: PCIe x16 (Gen4 x0 or x8 bus) slot Slot_2: PCIe x16 (Gen4 x16 or x8 bus) slot, shared with Slot_1 Slot_1: PCIe x16 (Gen4 x0 or x8 bus) slot
FRONT I/O	2 x USB 3.0, System Reset Switch
REAR I/O	4 x USB 3.0 1 x VGA 1 x COM 2 x 1Gbps RJ45 1 x MLAN 1 x ID button with LED
TPM	1 x TPM header with SPI interface Optional TPM 2.0 Module
POWER SUPPLY	2 x ATX PSU bays (PSU not included)
OS COMPATIBILITY	Windows Server 2022 / 2019 / 2016 (x64) Red Hat Enterprise Linux 9.0 / 8.2 / 7.9 (x64) SUSE Linux Enterprise Server 15SP2 / 12 SP5 (x64) Ubuntu 22.04 LTS / 20.04 LTS (x64) VMware ESXi 8.0 / 7.0 Update2 / 6.7 Update3 P03 Citrix Hypervisor 8.2.0
SYSTEM COOLING COMPATIBILITY	Front: up to 4 x 120/140mm fans, or 360mm Water cooling radiator Top: up to 4 x 120/140mm, or 480mm Water cooling radiator Right: up to 3 x 120mm, or 360mm Water cooling radiator Direct Liquid Cooling ready *No Cooling fans or Water Cooling radiator is pre-installed
OPERATING PROPERTIES	Operating temperature: 10°C to 40°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
CONTENTS	1 x Full Tower Workstation chassis 1 x Motherboard bundle 1 x I/O shield 1 x SlimSAS for 4 x SATA-3 6Gb/s cable (Optional) *GPU, CPU, CPU Cooler, Memory, Storage, and OS are not included in the barebone system
PACKAGE DIMENSIONS	792mm x 360mm x 690mm / 31.2in x 14.2in x 27.2in