TW-PRI9

Media Server

Processed in Singapore

01 FEATURES

- ➢ CPU : Intel Core i9 13900K (24C/32T, 2.0GHz - 5.6GHz)

- ➢ RAM: 64GB DDR5

- ➢ SSD: SSD 512GB

- ➢ Board Chipset: Intel® Chipset

- ➢ Graphics Card: GeForce RTX™ 4090 24GB-GDDR6X

- ➢ OS: Windows Or Linux

- ➢ Integrated: Software 3D Mapping

The software is built into the computer, specifically designed, providing images for 2 projection areas, the curved wall padorama and the hologram projection screen. The images for the projectors have WUXGA resolution, synchronized in image, brightness, time

Adjust the projected image on physical surfaces, combine multiple images from projectors and synchronize those images.

Diverse projection for multiple uses.

Synchronization function: As video and other sources are played, the software will monitor the timecode of each source to ensure that they play at the same time. If one of the sources runs ahead or behind, the system will readjust to synchronize.

*** Product images may vary

02 SPECIFICATIONS

CPU SPECIFICATIONS	
Product Collection	LGA1700 socket Support for the 13th and 12th Generation Intel® Core™, Pentium® Gold and Celeron® Processors
Supported Operating Systems	Windows 11 | 64-bit* | Windows 10 | 64-bit* | Red Hat Linux* | Ubuntu 20.04 LTS*
CPU Cache	L3 cache varies with CPU
Board Chipset	Intel® Express Chipset
Processor Included	Intel® Core™ i9 13900K (L3 Cache | up to 5.6 GHz)
Total Cores	24
Total Threads	32
Max Turbo Frequency	5.6 GHz
MEMORY & STORAGE	
Max Memory Size	64 GB – DDR5
Memory Support	DDR5 7600(O.C.) /7400(O.C.) /7200(O.C.) /7000(O.C.) /6800(O.C.) /6600(O.C.) / 6400(O.C.) / 6200(O.C.) / 6000(O.C.) / 5800(O.C.) / 5600(O.C.) / 5400(O.C.) / 5200(O.C.) / 4800 / 4000
Max Channels	2
Max DIMMs	4*DDR5 (Each slot up to 48 GB)
Dual-channel memory	Supports non-ECC unbuffered DIMM 1Rx8/2Rx8 memory modules (operating in non-ECC mode) Supports non-ECC unbuffered DIMM 1Rx8/2Rx8/1Rx16 memory modules Supports Extreme Memory Profile (XMP) memory modules

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NETWORK AND AUDIO	
AUDIO	Realtek® Audio CODEC High Definition Audio 2/4/5.1/7.1-channel Support for S/PDIF Out
Wireless	Wi-Fi: Intel® Wi-Fi 6 Wi-Fi a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands Bluetooth: 5.3 Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate
LAN	Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
BIOS CHIPSET	
BIOS	1 x 256 Mbit flash Use of licensed AMI UEFI BIOS PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
POWER SUPPLIES	
Input Voltage	220VAC
Power Supplies	1000W

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GRAPHICS SPECIFICATIONS	
Integrated Graphics	Yes
Graphics Output	1 * HDMI 4096x2160@60Hz Supports HDMI 2.0 and HDCP 2.3 versions 1 * DP 4096x2304@60Hz Supports DisplayPort 1.2 and HDCP 2.3 versions
Displays Supported	2
Discrete Graphics Card	PCIe Express card Graphics Card: GeForce RTX™ 4090 GPU memory : 24GB GDDR6X Bus Interface: PCIe 4.0x16 DirectX:12 Ultimate OpenGL:4.6 Memory Clock: 21 Gbps Memory Bus: 384-bit Memory bandwidth: 448 GB/s Core Clock: 2565 MHz (Reference Card: 2520 MHz) CUDA Cores: 16384 Power consumption: 1000 W Power Connectors: 1*16-pin Multi-View: 4 Display Output: 3* DisplayPort 1.4a, 1*HDMI 2.1a Digital Max Resolution: 7680x4320
EXPANSION OPTIONS	
PCI Express	CPU: 1xPCI Express x16 slot, supporting PCIe 5.0 and running at x16 (PCIEX16) Chipset: 1x PCI Express x16 slot, supporting PCIe 4.0 and running at x4(PCIEX4_1) 1x PCI Express x16 slot, supporting PCIe 3.0 and running at x4(PCIEX4_2)
Storage Interface	CPU: 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU) Chipset: 2 x M.2 connectors (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB, M2Q_SB) 1 x M.2 connector (Socket 3, M key, type 22110/2280 SATA and PCIe 4.0 x4 SSD support) (M2M_SB) 6 x SATA 6Gb/s connectors RAID 0, RAID 1, RAID 5, and RAID 10 support for NVMe SSD storage devices

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I/O SPECIFICATIONS

Internal I/O Connections	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x CPU fan header 1 x water cooling CPU fan header 3 x system fan headers 1 x system fan/water cooling pump header 2 x addressable LED strip headers 2 x RGB LED strip headers 4 x M.2 Socket 3 connectors 6 x SATA 6Gb/s connectors 1 x front panel header1 x front panel audio header 1 x USB Type-C® header, with USB 3.2 Gen 2 support 1 x USB 3.2 Gen 1 header 2 x USB 2.0/1.1 headers 2 x Thunderbolt™ add-in card connectors 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only) 1 x reset button 1 x Q-Flash Plus button 1 x Clear CMOS button 1 x reset jumper 1 x Clear CMOS jumper
Rear Panel Connections	1 x USB Type-C® port, with USB 3.2 Gen 2x2 support 2 x USB 3.2 Gen 2 Type-A ports (red) 3 x USB 3.2 Gen 1 ports4 x USB 2.0/1.1 ports 2 x SMA antenna connectors (2T2R) 1 x HDMI 2.0 port 1 x DisplayPort1 x RJ-45 port 1 x optical S/PDIF Out connector 2 x audio jacks
I/O Controller	Hardware Monitoring Voltage Detection Temperature Detection Fan Speed Detection Water Cooling Flow Rate Detection Fan Failure Warning Fan Speed Control

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