MAXER-2100

2U AI reference server with Intel® Core™ 12th/13th Gen. CPUs
and NVIDIA® RTX 4090 or RTX4080 Super GPU support

BRESSNER
A ONE STOP SYSTEMS COMPANY

Features

- Intel® Core™ 12th/13th Generation processors
- Onboard i9-13900, supports up to i9- 13900K
- 4x DDR5 4000 MHz RAM, up to 128GB
- Supports NVIDIA® RTX 4090, RTX4080 Super GPU
- 2U rack mount with front access I/O design

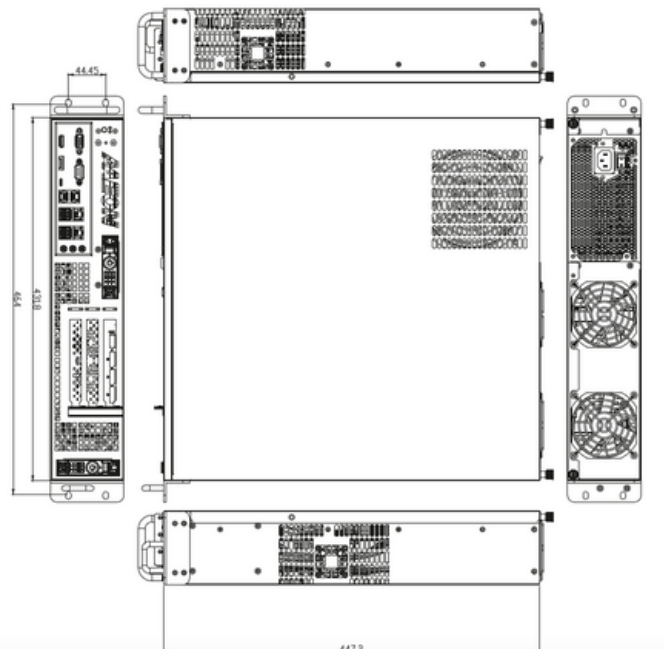## MAXER-2100 – 2U rackmount AI inference server

AAEON's latest MAXER-2100 is the best choice when it comes to selecting an edge server for complex AI inference software. With support for both 12th and 13th generation Intel® Core™ processors, multiple NVIDIA® GPU cards and deep learning capabilities, the MAXER-2100 has been deployed as an edge server alongside an AOI device as part of a broader quality inspection solution. It runs the company's AI inference model to quickly and accurately detect defects during the manufacturing process.

The MAXER-2100 supports NVIDIA® RTX 4090, RTX 4080 Super and others to ensure the highest performance in AI inference. These GPUs are designed to perform demanding calculations quickly and efficiently, speeding up error detection and general data processing.
Equipped with the 12th and 13th generation Intel® Core™ LGA1700 socket processors, the MAXER-2100 offers outstanding CPU computing performance. It integrates an i9-13900 processor and supports up to i9-13900K, making it a premium choice for compute-intensive applications.
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Appearance

Dimension (in mm)

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Specifications	MAXER-2100
SYSTEM	
CPU	Intel® Core™ LGA1700 socket processors of the 12th/13th generation, TDP Max 125W Integrated: i9-13900
GPU	NVIDIA® GeForce RTX 4080 SUPER (optional support for an NVIDIA® GeForce graphics or AI computing card)
Chipset	Intel® Q670
RAM	4x DDR5 4000 MHz, up to 128GB Non-ECC, unbuffered memory, dual-channel memory architecture
Storage	2x 2.5" SATA III drive bay (interchangeable, RAID 0/1) 1x M.2 2280 M-Key for NVMe SSD
OS Support	Windows® 10 IoT Enterprise 64-bit Windows® 11 PRO 64-bit Ubuntu 22.04.3 and higher
TPM	TPM 2.0 Onboard
Expansion	1x PCIe [x16] for RTX 4080 Super 1x M.2 3042/3052 B-Key + MicroSIM slot 1x M.2 2230 E-Key
INTERFACE	
Ethernet	1x RJ-45 GbE LAN (supports Intel® AMT 12.0) 1x RJ-45 GbE LAN 2x RJ-45 2.5GbE LAN
USB	4x USB 3.2 Gen 2 (10Gbps)
COM	1x DB-9 connector for RS-232/422/485
Video	1x HDMI 2.0 1x DP 1.4 1x VGA
ENVIRONMENTAL	
Cooling	With fan
Power Adapter	Built-in 1000W power supply unit
Remote Control & LED	1x power button 1x restore button 1x System LED 1x HDD activity LED
Operating Temperature	0°C ~ 40°C, according to IEC68-2 with 0.5 m/s AirFlow
Storage Temperature	-40˚C ~ 80˚C
Humidity	5 ~95% @ 40°C, non-condensing
Dimensions	431.8 (W) x 448 (D) x 88 (H) mm
Weight	14.3 kg
Mounting	Rackmount
Certifications	CE/FCC Class A

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Ordering Information	MAXER-2100
MODEL NO.	
MAXER-2100- Q670-A1-1010	MAXER-2100 with i9-13900 CPU, Intel Q670 Chipset, RTX 4080 SUPER GPU, 4x LAN, 4x USB 3.2 Gen 2, 1x RS-232/422/485, 1x M.2 2280 M-Key, 2x 2.5" SATA Drive Bay, 1x HDMI, 1x DP, 1x VGA, 1x M.2 3042/3052/2242 B-Key, 1x M.2 2230 E-Key, Rackmount, 1000W Power, Operating temperature 32°F ~ 104°F (0°C ~ 40°C), according to IEC68-2 with 0.5 m/s AirFlow
OPTIONAL ACCESSORIES	
170X000799	Power Cord (US type)
170X000800	Power Cord (European Type)
170X000803	Power Cord (Japanese Type)
9741364A00	M.2 2230 E Key Enli,QCNFA364A
9651520N00	M.2 3052 B Key 5G Quectel RM520N-GL