NUVO-8208GC

New!

N8208GC-I7
Nuvo-8208GC Intel® Core™ i7-8700



- Intel® Xeon® E / 8th Gen. Core™ processors
- GPU support: two up to 250W cards
- 5 PCI Express slotts in total
- Up to 128GB ECC/non-ECC RAM

PRODUCT DESCRIPTION

Nuvo-8208GC is the world's first dual GPU edge AI computing platform with industrial-grade design and in-vehicle features. Designed specifically to support two highend 250W NVIDIA® graphics cards, it offers tremendous GPU power up to 28 TFLOPS in FP32 for emerging GPU-accelerated edge AI computing, such as autonomous driving, vision inspection and surveillance/ security.

Nuvo-8208GC is powered by Intel® Xeon® E or 8th-Gen Core™ 6-core/ 12-thread CPUs coupled with workstation-grade Intel® C246 chipset to support up to 128 GB ECC or non-ECC DDR4 memory. The system incorporates two hot-swappable 2.5" trays for easy HDD/ SSD replacement and an M.2 2280 NVMe socket for the ultimate disk performance. Its front-accessible GbE and USB 3.1 Gen1/ Gen2 ports feature screw-lock mechanisms for securing cable connections. In addition to the dual x16 PCIe slots for GPU installation, Nuvo-8208GC has two other x8 PCIe slots and one x4 PCIe slot for expansion cards to extend function sets like data collection, analytics and communication.

Nuvo-8208GC has a brand new power delivery design to accept 8~35V wide-range DC input and to handle heavy power requirements from dual 250W GPUs. Along with built-in ignition control, it's feasible to deploy it on a vehicle and directly power it via the car's power system. Mechanical wise, Nuvo-8208GC incorporates Neousys' patented heat dissipation design*, damping brackets* and patent-pending GPU press bar, making it steady and rock-solid in various conditions.

The Nuvo-8208GC is Neousys' response to the never-ending demand of TFLOPS in industrial GPU platforms. With industrial-grade power, thermal and mechanical design, it pushes versatile edge AI inference applications from laboratories to field applications, where reliability matters.

SPECIFICATIONS

12834_Computertype	Edge
AMT	12.0
Chipset	Intel® C246 platform controller hub
Depth	360 mm
GPU	Yes
Height	186 mm
Memory RAM	128 GB
Processor	Intel® Core™ i7-8700
Remote Control	No
Supply Voltage DC Max	35 V DC

Supply Voltage DC Min	8 V DC
Temperature range bearing, from	-40 °C
Temperature range bearing, to	85 °C
Temperature range from	-25 °C
Temperature range to	60 °C
TPM	TPM 2.0
Weight	8.6 kg
Width	235 mm