NUVO-8240GC

Coming soon!

N8240GC-E2278GE
Nuvo-8240GC Xeon E2278GE

PRODUCT DESCRIPTION

Nuvo-8240GC is a rugged edge AI platform designed specifically to support dual NVIDIA® Tesla T4s for advanced inference acceleration applications. It features NVIDIA multi-precision Turing Tensor Cores and new RT Cores while offering tremendous GPU power up to 130 TFLOPS in FP16 and 520 TOPS in INT4 for emerging GPU-accelerated edge computing and advanced AI inference. In addition, Nuvo-8240GC is powered by Intel® Xeon® E or 9th/ 8th-Gen Core™ CPU up to 8-core/ 16-thread coupled with workstation-grade Intel® C246 chipset to support up to 128 GB ECC or non-ECC DDR4 memory.
The system incorporates one internal 2.5" SATA HDD/ SSD slot and one hot-swappable 2.5" tray for easy HDD/ SSD replacement. There is also an M.2 2280 socket for the ultimate PCIe NVMe SSD. Its front-accessible GbE and USB 3.1 Gen1/ Gen2 ports feature screw-lock mechanisms for secure cable connections. In addition to the dual x16 PCIe slots (8-lanes) for graphics card installation, Nuvo-8240GC has other two x8 PCIe slots (4-lanes)for expansion cards to extend function sets, making it that much more flexible for specific applications such as data collection, analytics and communication.
Nuvo-8240GC has a brand new power delivery design to accept 8~48V wide-range DC input with built-in ignition control. Nuvo-8240GC incorporates Neousys' proven heat dissipation design to allow operating temperatures of -25 - 50°C** (65W processor) and damping brackets for withstanding 3 Grms vibration, making it steady and rocksolid in various conditions. The Nuvo-8240GC is Neousys' response to the never-ending performance demand in industrial edge AI platforms and now with double the inference power, Nuvo-8240GC is ready to take it to the next level.

** By NVIDIA warranty policy operating temperature range of Tesla T4 is 0-50°C

SPECIFICATIONS

AMT	AMT 12.0
Chipset	Intel® C246 Platform Controller Hub
DC Input	4-pin pluggable terminal block
Depth	360 mm
GPU	Yes
Graphics	Intel® UHD Graphics 630
Hard Drive Interface - Mini-Pcie	2x full-size mini PCI Express
Hard Drive Interface - MSATA	2x full-size mSATA (mux with mini-PCIe)
Hard Drive Interface - SATA	1x hot-swap SATA 2.5", 1x internal SATA 2.5", RAID 0/1 support
Height	186 mm
Humidity	10%~90% , non-condensing

I / O Ports - Audio	1x Speaker-out
I / O Ports - Ethernet Port	2x Gigabit Ethernet (Intel I219-LM/I210-IT)
I / O Ports - Serial	2x software-programmable RS-232/ 422/ 485 ports (COM1/COM2)
I / O Ports - USB	4x USB 3.1 Gen2 (10 Gbps), 4x USB 3.1 Gen1 (5 Gbps), 1x USB 2.0 (internal for dongle use)
I / O Ports - Video	1x VGA (1920 x 1200), 1x DVI-D (1920 x 1200), 1x DisplayPort (4096 x 2304)
I/O ports - M.2	1x M.2 2280 M key (PCIe Gen3 x4) for NVMe/Optane drive, 1x M.2 2242 B key supporting dual SIM mode with selected M.2 LTE module
I/O ports - PCI Express	2x PCIe Gen3 x16@x8 for NVIDIA Tesla T4, 2x PCIe Gen3 x8@x4 for add-on card
Memory RAM	128 GB
Mounting	Wall-mount with damping brackets
Processor	Intel Xeon E 2278GE (8-core/16-thread)
Supply Voltage DC Max	48 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
Type of memory	4x ECC/ non-ECC DDR4 2133 SDRAM SODIMM
Weight	5 kg
Width	170 mm