

## 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 Neosys' 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 Neosys' 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  |
| GPU                              | 2x NVIDIA Tesla T4   |
| 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   |

|  |   |
|--|---|
| <b>Humidity</b>                        | 10%~90% , non-condensing  |
| <b>I / O Ports - Audio</b>             | 1x Speaker-out  |
| <b>I / O Ports - Ethernet Port</b>     | 2x Gigabit Ethernet (Intel I219-LM/I210-IT)   |
| <b>I / O Ports - Serial</b>            | 2x software-programmable RS-232/ 422/ 485 ports (COM1/COM2)   |
| <b>I / O Ports - USB</b>               | 4x USB 3.1 Gen2 (10 Gbps), 4x USB 3.1 Gen1 (5 Gbps), 1x USB 2.0 (internal for dongle use)                                       |
| <b>I / O Ports - Video</b>             | 1x VGA (1920 x 1200), 1x DVI-D (1920 x 1200), 1x DisplayPort (4096 x 2304)  |
| <b>I/O ports - M.2</b>                 | 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 |
| <b>I/O ports - PCI Express</b>         | 2x PCIe Gen3 x16@x8 for NVIDIA Tesla T4, 2x PCIe Gen3 x8@x4 for add-on card   |
| <b>Memory RAM</b>                      | 128 GB  |
| <b>Mounting</b>                        | Wall-mount with damping brackets  |
| <b>Processor</b>                       | Intel Xeon E 2278GE (8-core/16-thread)  |
| <b>Supply Voltage DC Max</b>           | 48 V DC   |
| <b>Supply Voltage DC Min</b>           | 8 V DC  |
| <b>Temperature range bearing, from</b> | -40 °C  |
| <b>Temperature range bearing, to</b>   | 85 °C   |
| <b>Temperature range from</b>          | -25 °C  |
| <b>Temperature range to</b>            | 60 °C   |
| <b>TPM</b>                             | TPM 2.0   |
| <b>Type of memory</b>                  | 4x ECC/ non-ECC DDR4 2133 SDRAM SODIMM  |
| <b>Weight</b>                          | 5 kg  |
| <b>Width</b>                           | 170 mm  |

