NUVO-7164GC -SERIES INDUSTRIAL COMPUTERS

N7164GC-I7
Nuvo-7164GC Intel® Core™ i7-8700



- Intel® 8th Gen. Core™ processor
- GPU support: NVIDIA® Tesla P4/ T4
- 6x GigE, 4 x PoE
- 4x USB 3.1Gen2 + 4x USB 3.0 Gen1
- M.2 2280 NVME/Optane socket for fast storage access

PRODUCT DESCRIPTION

Nuvo-7164GC is a rugged edge AI inference platform designed for advanced inference acceleration applications such as voice, video, image and recommendation services. It supports NVIDIA® Tesla P4 GPU, featuring 5.5 TFLOPS in FP32 and Tesla T4 GPU, featuring 8.1 TFLOPS in FP32 and 130 TOPs in INT8 for real-time inference based on trained neural network model. In addition, it supports Intel® 8th-Gen Coffee Lake Core™ 6-core/12-thread CPU and 32 GB DDR4-2666, offering great balance between CPU, GPU and memory performance.

Nuvo-7164GC Edge AI Platform is capable of effectively dissipating the heat generated by the NIVIDIA Tesla P4/ T4 GPU
Thanks to Neousys' patented Cassette and air tunnel design, which guides the intake air to flow through the passive heat sink of NVIDIA® Tesla P4/ T4, Nuvo-7164GC is capable of effectively dissipating the heat generated by the GPU. This promising design guarantees system operation of up to 60°C ambient temperature with sustained 100% GPU loading.

Nuvo-7164GC also incorporates cutting-edge I/O technologies to boost overall system flexibility, functionality and performance. It has an M.2 NVMe interface that supports disk read/ write speeds over 2000 MB/s and USB 3.1/ GbE ports for fast data transfer, such as acquiring HD video data. With the combination of a fast CPU and inference accelerator GPU, Nuvo-7164GC is the ideal inference platform for artificial intelligence applications.

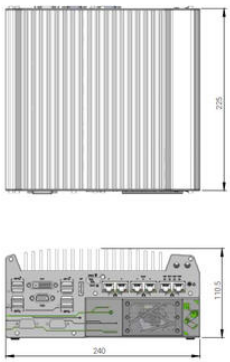
Features:

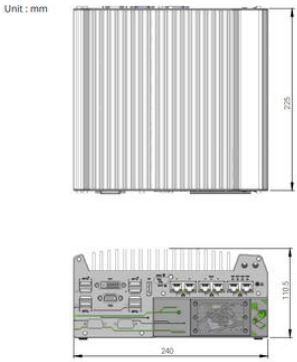
- Supports NVIDIA® Tesla P4/ T4 GPU
- Dedicated heat dissipation for -25°C to 60°C wide-temperature range operation
- Intel® 8th-Gen Core™ hexa-core 35W/ 65W LGA1151 CPU
- 6x GigE ports, 802.3at PoE+ option available (ports 3~6)
- M.2 2280 M key NVMe (Gen3 x4) socket for fast storage access
- 4x USB 3.1 Gen2 ports and 4x USB 3.1 Gen1 ports
- Accommodates two 2.5" SATA HDD/SSD with RAID 0/1 support
- MezIO™ interface for easy function expansion

SPECIFICATIONS

12834_Computertype	Edge
AMT	Intel AMT 12
Chipset	Intel Q370 Platform Controller Hub
DC Input	3-pin plug
Depth	225 mm
GPU	Yes
Height	111 mm

Memory RAM	32 GB
Processor	Intel® Core™ i7-8700
Remote Control	Yes
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	4.5 kg
Width	240 mm





Unit : mm