

NUVO-7160GC -SERIES INDUSTRIAL COMPUTERS

N7160GC-I3
Nuvo-7160GC Intel® Core™ i3-8100

- Intel® 8th Gen. Core™ processor
- GPU support: up to 120W cards
- 6x GigE, optional PoE for ports # 3-6
- 4x USB 3.1Gen2 + 4x USB 3.0 Gen1
- M.2 2280 NVME/Optane socket



PRODUCT DESCRIPTION

Nuvo-7160GC is a ruggedized GPU-aided edge computing platform designed for modern machine learning applications such as autonomous driving, facial recognition and machine vision. It supports up to a 120W GPU, delivering 4~6 TFLOPS computing power for inference, as well as Intel® 8th-Gen Coffee Lake Core™ 6-core/ 12-thread CPU, offering up to 50% CPU performance enhancement over previous generations.

Thanks to Neousys' patented Cassette design and ingenious ventilation mechanism, Nuvo-7160GC can effectively dissipate the heat generated by the GPU. By introducing the guided airflow from intake to exhaust with powerful fans featuring smart fan control, it allows a 120W GPU to operate at 60°C ambient temperature under 100% GPU loading.

Nuvo-7160GC incorporates rich I/O functions such as USB 3.1 Gen2/ Gen1, GbE, COM and MezIO™ interface in its restricted footprint. It also leverages cutting-edge M.2 NVMe SSD technology for over 2000MB/s disk read/ write speed or Intel® Optane™ memory for the ultimate system acceleration. Neousys Nuvo-7160GC is the ideal solution for emerging edge computing by combining exceptional CPU and GPU performances.

Features:

- Supports NVIDIA® GPU graphics card up to 120W TDP
- Patented thermal design to allow -25°C to 60°C wide temperature range operation
- Intel® 8th-Gen Core™ hexa-core 35W/ 65W LGA1151 CPU
- 6x GigE ports, supporting 9.5 KB jumbo frame
- M.2 2280 M key socket (Gen3 x4) supporting NVMe SSD or Intel® Optane™ memory
- 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
- Compatible with MezIO™ interface for function expansion
- Patented ventilation design* for graphics card

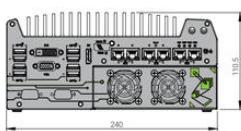
SPECIFICATIONS

| | |
|---------------------------|------------------------------------|
| 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 i3-8100 |
| 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



Unit : mm