NUVO-6108GC-IGN

N6108GC-IGN-1275
Nuvo-6108GC-IGN Xeon E3-1275 v5 80W



- Intel® 6th-Gen Core™ and Xeon® v5 processors
- GPU support: up to 250W cards
- For in-vehicle applications, built-in ignition control
- 3x 2,5" SATA sockets, 2 of which Easy-swap

PRODUCT DESCRIPTION

Nuvo-6108GC-IGN is one of the world's first industrial-grade in-vehicle edge AI GPU computing platform supporting high-end graphics cards. It's designed to fuel emerging GPU-ccelerated applications, such as AI(artificial intelligence) inference, VR, autonomous driving and CUDA computing by accommodating 250W NVIDIA® GPU.

Leveraging Intel® C236 chipset, Nuvo-6108GC-IGN in-vehicle edge AI computing platform supports Xeon® E3 v5 or 6th-Gen Core™ i7/ i5 CPU with up to 32 GB ECC/ non-ECC DDR4 memory. It incorporates general computer I/O like Gigabit Ethernet, USB3.0 and serial ports. In addition to the x16 PCIe port for GPU installation, Nuvo-6108GC series also has two x8 PCIe slots so you can install additional high performance expansion card with high bandwidths for data collections/ analytics and communication.

Nuvo-6108GC-IGN comes with sophisticated power design to handle heavy power consumption and power transient of a 250W GPU. Furthermore, to have reliable GPU performance for industrial environments, Nuvo-6108GC series utilizes Neousys' patented design*, a tuned cold air intake to effectively dissipate the heat generated by GPU. This unique design guarantees operation at 60°C under 100% GPU loading, making Nuvo-6108GC series extremely reliable for demanding field (such as in-vehicle condition) applications.

The new Nuvo-6108GC-IGN in-vehicle GPU computer features built-in ignition power control and two of its three 2.5" drives come with Neousys' patented easy-swap trays for simple HDD/ SSD replacement.

Features:

- Supports Intel® Xeon® E3 v5 or 6th-Gen Core™ i7/ i5 LGA1151 CPU
- Supports NVIDIA® GPU (up to 250W TDP)
- Patented thermal design for -25 °C to 60 °C rugged operation*
- Two x8, Gen3 PCIe slots for add-on cards
- Dual GbE ports and four USB3.0 ports
- Three 2.5" SATA hard drives with RAID 0/ 1/ 5 support
- Patented easy-swap trays* for HDD replacement
- Automatic temperature sensing and fan control
- Patented damping brackets* to withstand 1 Grms vibration
- Built-in ignition control

SPECIFICATIONS

Chipset	Intel® C236 Platform Controller Hub
Depth	360 mm
GPU	Yes
Height	174 mm

Memory RAM	32 GB
Processor	Intel® Xeon® E3-1275 v5 (8M Cache, 3.6/ 4.0 GHz)
Supply Voltage DC Max	24 V DC
Supply Voltage DC Min	24 V DC
Temperature range bearing, from	-40 °C
Temperature range bearing, to	85 °C
Temperature range from	-25 °C
Temperature range to	50 °C
Vibration Resistance	1 Grms (IEC60068-2-64)
Weight	4.7 kg
Width	178 mm



