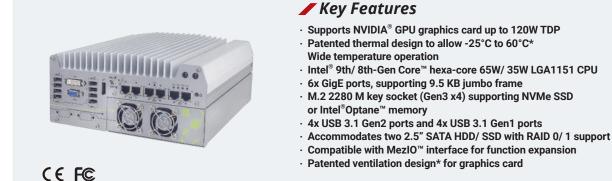


Nuvo-7160GC Series

Ruggedized GPU-Computing Platform Supporting 120W NVIDIA[®] GPU and Intel[®] 9th/8th-Gen Core[™] Processor



*R.O.C Patent No. M534371/ M456527

Introduction

Nuvo-7160GC is a ruggedized GPU-aided edge computer 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[®] 9th/ 8th-Gen Core™ 6-core/ 8-core 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 GPU full 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.

Specifications

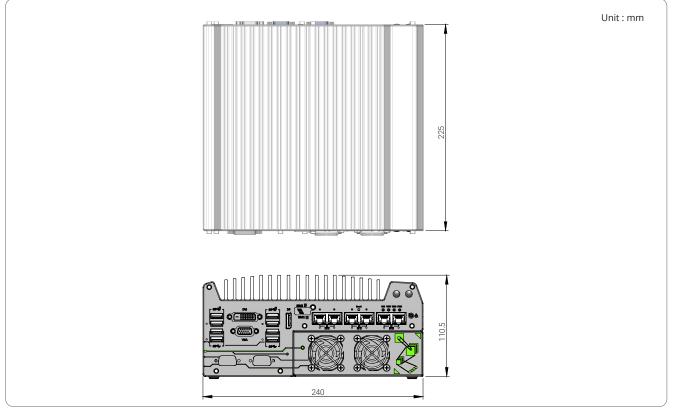
ProcessorLiCA1151 socket, 6SW 35W TDP) - Intel® Core® 17-87001 (7-9700E/ 17-9700TE - Intel® Core® 17-88001 (7-8700T (7-9700E/ 15-9500TE - Intel® Core® 13-8100/ 13-9100E/ 13-9100TE - Intel® Core® 13-8100/ 13-9100E/ 13-9100TEPCI/PCI Expressinstalling an NVIDL% graphics card dimension is 188 mm(L) x 121 m slot allocation)ChipsetIntel® Core® 13-8100/ 13-9100E/ 13-9100TE - Intel® Core® 13-8100/ 13-9100E/ 13-9100TEMini PCI Express1x full-size mini PCI Express socket with internal SIM soc (mux with mSATA)GraphicsIntegrated Intel® UHD graphics 630M.21x M.2 2242 B key socket with dual front-accessible S supporting dual SIM mode with selected M.2 LTE modu Expandable I/OAMTSupports AMT 12.0Expandable I/O1x M2 202W expansion port for Neousys Me2IO® modul Power SupplyI/O InterfaceExpandable I/O1x M2 202B key socket with dual front-accessible S supporting dual SIM mode with selected M.2 LTE modu Expandable I/ONO Ditonal IEEE 802.3at POE + PSE for Port 3 - Port 6 100 W total power budgetMechanicalUBB 3.14x USB 3.1 Gen 21 (0 folsp) ports 4x USB 3.1 Gen 21 (0 folsp) ports 1x VCA, supporting 1920 x 1200 resolution 1x DV-D, supporting 1920 x 1200 resolution 1x DV-D Supporting 1920 x 1200 resolution 1	System Core	System Core		sion Bus
ChipsetIntel® Q370 platform controller hub1x full-size mnin PCI Express1x full-size mSATA)GraphicsIntegrated Intel® UHD graphics 630M.a1x M.2 2242 B key socket with dual front-accessible S supporting dual SIM mode with selected M.2 LTE moduMMTSupports AMT 12.01x M.2 2242 B key socket with dual front-accessible S supporting dual SIM mode with selected M.2 LTE moduTPMSupports TPM 2.01x MezlO™ expansion port for Neousys MezlO™ modulI/O Interface6x Gigabit Ethernet ports by 1219 and 5x 12101x 3-pin pluggable terminal block for 8-35VDC DC inputPoE+Optional IEEE 802.3at POE + PSE for Port 3 - Port 6 100 W total power budgetMechanicalUSB 3.14x USB 3.1 Gen1 (5 Gbps) portsWeight4.5 kgVideo Port 1x DV-D, supporting 1920 x 1200 resolution 1x DVI-D, supporting 4096 x 2304 resolutionWeight4.5 kgMine PCI Express2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4)Poreating MiL-STD-810G, Method 514.6, Category 4Muido1x 3.5 mn jack fo	Processor	(LGA1151 socket, 65W/ 35W TDP) - Intel [®] Core™ i7-8700/ i7-8700T/ i7-9700E/ i7-9700TE - Intel [®] Core™ i5-8500/ i5-8500T/ i5-9500E/ i5-9500TE	PCI/PCI Express	(Max. graphics card dimension is 188 mm(L) x 121 mm(W), dual
MemoryUp to 64 GB DDR4 2666/ 2400 SDRAM (two SODIMM slots)M.2supporting dual SIM mode with selected M.2 LTE moduAMTSupports AMT 12.0Expandable I/O1x MezIO™ expansion port for Neousys MezIO™ modulTPMSupports TPM 2.0DC Input1x 3-pin pluggable terminal block for 8-35VDC DC inputI/O Interface6x Gigabit Ethernet ports by I219 and 5x I210DC Input1x 3-pin pluggable terminal block for 8-35VDC DC inputPoE+Optional IEEE 802.3at PoE+ PSE for Port 3 ~ Port 6MechanicalNot al power budgetIVSB 3.14x USB 3.1 Gen1 (16 Gbps) portsWeight4.5 KgVideo Port (Integrated Graphics)1x VGA, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution 1x DisplayPort, supporting 4096 x 2304 resolution 	Chipset		Mini PCI Express	1x full-size mini PCI Express socket with internal SIM socket (mux with mSATA)
MemoryUp to 64 GB DDR4 2666/ 2400 SDRAM (two SODIMM slots)Supports Gula ISM mode with selected M.2 L1E moduleAMTSupports AMT 12.0Expandable I/O1 x MezIO ^{me} expansion port for Neousys MezIO ^{me} moduleTPMSupports TPM 2.0DC Input1 x 3-pin pluggable terminal block for 8-35VDC DC inputEthernet6x Gigabit Ethernet ports by I219 and 5x I210DC Input1 x 3-pin pluggable terminal blockPoE+Optional IEEE 802.3at PoE+ PSE for Port 3 ~ Port 6MechanicalIns -Pin pluggable terminal blockUSB 3.14x USB 3.1 Gen2 (10 Gbps) ports 4x USB 3.1 Gen1 (5 Gbps) portsMechanicalDimension240 mm (W) x 225 mm (D) x 111 mm (H)Video Port (Integrated Graphin)1x VGA, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 1920 x 1200 resolution 	Graphics	Integrated Intel [®] UHD graphics 630	M 2	1x M.2 2242 B key socket with dual front-accessible SIM sockets, supporting dual SIM mode with selected M.2 LTE module
AMT Supports AMT 12.0 TPM Supports TPM 2.0 I/O Interface Power Supply Ethernet 6x Gigabit Ethernet ports by I219 and 5x I210 DC Input 1x 3-pin pluggable terminal block for 8-35VDC DC input PoE+ Optional IEEE 802.3at POE+ PSE for Port 3 - Port 6 100 W total power budget Mechanical Dimension 240 mm (W) x 225 mm (D) x 111 mm (H) USB 3.1 4x USB 3.1 Gen1 (5 Gbps) ports Weight 4.5 Kg Video Port (Integrated Graphics) 1x VGA, supporting 1920 x 1200 resolution 1x DVI-D, supporting 1920 x 1200 resolution 1x DVI-D, supporting 0496 x 2324 resolution Mounting Wall-mount (standard) or DIN-rail mount (optional) Serial Port 2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) With 35W CPU and 120W GPU -25°C - 60°C **/**** (configured as 35W TDP) -25°C - 60°C **/*** (configured as 35W TDP) Storage Interface Storage 11tel [®] DAT DOT 11tel [®] Optameny installation, supporting RAID 0/ 1 Tumidity 10%-90%, non-condensing M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel [®] Optameny installation Operating, MIL-STD-810G, Method 514.6, Category 4 </td <td>Memory</td> <td>Up to 64 GB DDR4 2666/ 2400 SDRAM (two SODIMM slots)</td> <td></td>	Memory	Up to 64 GB DDR4 2666/ 2400 SDRAM (two SODIMM slots)		
IVM Supports IPM 2.0 I/O Interface DC Input 1x 3-pin pluggable terminal block for 8-35VDC DC input Ethernet 6x Gigabit Ethernet ports by I219 and 5x I210 Remote Ctrl. & LED Output 1x 3-pin pluggable terminal block for 8-35VDC DC input PoE+ Optional IEEE 802.3at PoE+ PSE for Port 3 ~ Port 6 Dimension 240 mm (W) x 225 mm (D) x 111 mm (H) USB 3.1 4x USB 3.1 Gen2 (10 Gbps) ports Mechanical Dimension 240 mm (W) x 225 mm (D) x 111 mm (H) Video Port (Integrated Graphics) 1x VGA, supporting 1920 x 1200 resolution 1x DVI-D, supporting 1920 x 1200 resolution 1x DVI-D, supporting 4096 x 2304 resolution 1x DVI-D, supporting 4096 x 2304 resolution Mounting Wall-mount (standard) or DIN-rail mount (optional) Serial Port 2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) Poerating Temperature With 35W CPU and 120W GPU - 25°C ~ 60°C **/**** (configured as 35W TDP) - 25°C ~ 60°C **/**** (configured as 65W TDP) - 25°C ~ 50°C **/**********************************	AMT	Supports AMT 12.0	Expandable I/O	1x MezIO™ expansion port for Neousys MezIO™ modules
IVO Interface Mathematical Ethernet 6x Gigabit Ethernet ports by I219 and 5x I210 Remote Ctrl. & LED Output 1x 3-pin pluggable terminal block for remote control and PWR LED output PoE+ Optional IEEE 802.3at POE+ PSE for Port 3 ~ Port 6 100 W total power budget Mechanical USB 3.1 4x USB 3.1 Gen2 (10 Gbps) ports Mechanical Video Port (Integrated Graphics) 1x VGA, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution 1x DisplayPort, supporting 4096 x 2304 resolution Mounting Wall-mount (standard) or DIN-rail mount (optional) Serial Port 2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) With 35W CPU and 120W GPU -25° C - 60°C ** Audio 1x 3.5 mm jack for mic-in and speaker-out Storage Interface Storage -40°C ~ 85°C SATA HDD 2x internal SATA port for 2.5″ HDD/ SSD installation, supporting RAID 0/1 Storage -40°C ~ 85°C M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installation Vibration Operating -40°C ~ 85°C MSATA 1x full-size mSATA port (mux with mini-PCle) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	ТРМ	Supports TPM 2.0	Power Supply	
Ethernet6x Gigabit Ethernet ports by l219 and 5x l210Remote Ctrl. & LED Output1x 3-pin pluggable terminal block for remote control and PWR LED outputPoE+Optional IEEE 802.3at PoE+ PSE for Port 3 ~ Port 6 100 W total power budgetMechanicalIx 3-pin pluggable terminal block for remote control and PWR LED outputUSB 3.14x USB 3.1 Gen2 (10 Gbps) ports 4x USB 3.1 Gen2 (16 Gbps) ports 4x USB 3.1 Gen2 (16 Gbps) portsMechanicalDimension240 mm (W) x 225 mm (D) x 111 mm (H)Video Port (Integrated Graphies)1x VGA, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution 2x R5-232 ports (COM3/ COM4)MountingWall-mount (standard) or DIN-rail mount (optional) EnvironmentalSerial Port2x software-programmable R5-232/422/485 ports (COM1/ COM2) 2x R5-232 ports (COM3/ COM4)With 35W CPU and 120W GPU -25° C - 60°C **/*** (configured as 35W TDP) -25° C - 50°C **/*** (configured as 35W TDP) -25° C - 50°C **/*** (configured as 65W TDP)Storage InterfaceStorage Temperature-40°C ~ 85°CM.21x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installationHumidity10%-90%, non-condensingM.21x full-size mSATA port (mux with mini-PCIe)VibrationOperating, Table 516.6-II	I/O Interface		DC Input	1x 3-pin pluggable terminal block for 8~35VDC DC input
PoE+ 100 W total power budget Mechanical USB 3.1 4x USB 3.1 Gen2 (10 Gbps) ports 4x USB 3.1 Gen1 (5 Gbps) ports Dimension 240 mm (W) x 225 mm (D) x 111 mm (H) Wieght 4.5 Kg Weight 4.5 Kg Video Port (Integrated Graphics) 1x VGA, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution 1x DisplayPort, supporting 4096 x 2304 resolution 1x DisplayPort, supporting 4096 x 2304 resolution Environmental Serial Port 2x software-programmable R5-232/422/485 ports (COM1/ COM2) 2x R5-232 ports (COM3/ COM4) With 35W CPU and 120W GPU -25°C ~ 60°C ** With 65W CPU and 120W GPU -25°C ~ 60°C **/with (configured as 35W TDP) -25°C ~ 50°C **/*** (configured as 35W TDP) -25°C ~ 50°C **/*** (configured as 65W TDP) Storage Interface 2x internal SATA port for 2.5″ HDD/ SSD installation, supporting RAID 0/1 Storage Temperature -40°C ~ 85°C M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane ^M memory installation Dimension Operating, MIL-STD-810G, Method 514.6, Category 4 MSATA 1x full-size mSATA port (mux with mini-PCIe) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II		6x Gigabit Ethernet ports by I219 and 5x I210		
USB 3.1 4x USB 3.1 Gen2 (10 Gbps) ports 4x USB 3.1 Gen1 (5 Gbps) ports 4x USB 3.1 Gen2 (10 Gbps) ports 4x USB 3.1 Gen2 (10 Gbps) ports Weight 4.5 Kg Video Port (Integrated Graphics) 1x VGA, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution Mounting Wall-mount (standard) or DIN-rail mount (optional) Serial Port 2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) Derating Temperature With 35W CPU and 120W GPU -25°C ~ 60°C ** Audio 1x 3.5 mm jack for mic-in and speaker-out Operating Temperature With 65W CPU and 120W GPU -25°C ~ 60°C ** Storage Interface 2x internal SATA port for 2.5″ HDD/ SSD installation, supporting RAID 0/1 Storage Temperature -40°C ~ 85°C Munidity 10%-90%, non-condensing Vibration Operating, MIL-STD-810G, Method 514.6, Category 4 MSATA 1x full-size mSATA port (mux with mini-PCIe) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	PoE+		Mechanical	
Video Port (Integrated Graphics) 1x VGA, supporting 1920 x 1200 resolution 1x DVI-D, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution Mounting Wall-mount (standard) or DIN-rail mount (optional) Serial Port 2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) Departing Temperature With 35W CPU and 120W GPU -25°C ~ 60°C ** With 65W CPU and 1			Dimension	240 mm (W) x 225 mm (D) x 111 mm (H)
Video Port (Integrated Graphics) 1x DVI-D, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution Environmental Serial Port 2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) With 35W CPU and 120W GPU -25°C ~ 60°C ** Audio 1x 3.5 mm jack for mic-in and speaker-out Operating Temperature Video C ~ 85°C -25°C ~ 50°C **/*** (configured as 35W TDP) -25°C ~ 50°C **/*** (configured as 65W TDP) Storage Interface Storage Temperature -40°C ~ 85°C SATA HDD 2x internal SATA port for 2.5″ HDD/ SSD installation, supporting RAID 0/1 Storage Temperature -40°C ~ 85°C M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane TM memory installation Vibration Operating, MIL-STD-810G, Method 514.6, Category 4 MSATA 1x full-size mSATA port (mux with mini-PCIe) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	USB 3.1		Weight	4.5 Kg
It built protection It built protection Environmental Serial Port 2x software-programmable RS-232/422/485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) Operating Temperature With 35W CPU and 120W GPU -25°C ~ 60°C ** With 65W CPU and 120W GPU -25°C ~ 60°C ** With 65W CPU and 120W GPU -25°C ~ 60°C ** With 65W CPU and 120W GPU Audio 1x 3.5 mm jack for mic-in and speaker-out Operating Temperature With 35W CPU and 120W GPU -25°C ~ 60°C ** With 65W CPU and 120W GPU Storage Interface 2x internal SATA port for 2.5″ HDD/ SSD installation, supporting RAID 0/ 1 Storage Temperature -40°C ~ 85°C M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane ^M memory installation Vibration Operating, MIL-STD-810G, Method 514.6, Category 4 mSATA 1x full-size mSATA port (mux with mini-PCIe) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	Video Port	1x DVI-D, supporting 1920 x 1200 resolution	Mounting	Wall-mount (standard) or DIN-rail mount (optional)
Serial Port 2x RS-232 ports (COM3/ COM4) Operating Temperature -25°C ~ 60°C ** Audio 1x 3.5 mm jack for mic-in and speaker-out -25°C ~ 60°C ** *** Storage Interface -25°C ~ 60°C ** *** SATA HDD 2x internal SATA port for 2.5″ HDD/ SSD installation, supporting RAID 0/1 **** ******* (configured as 35W TDP) -25°C ~ 50°C ***/*** (configured as 65W TDP) M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installation Storage Temperature -40°C ~ 85°C MSATA 1x full-size mSATA port (mux with mini-PCIe) Vibration Operating, MIL-STD-810G, Method 514.6, Optication, rable 516.6-II			Environmental	
Audio 1x 3.5 mm jack for mic-in and speaker-out Temperature -25°C ~ 60°C **/*** (configured as 35W TDP) Storage Interface -25°C ~ 60°C **/*** (configured as 35W TDP) -25°C ~ 50°C **/*** (configured as 35W TDP) SATA HDD 2x internal SATA port for 2.5″ HDD/ SSD installation, supporting RAID 0/1 Storage Temperature -40°C ~ 85°C M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installation Humidity 10%-90%, non-condensing WSATA 1x full-size mSATA port (mux with mini-PCIe) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	Serial Port			-25°C ~ 60°C ** With 65W CPU and 120W GPU
Storage interface Storage interface SATA HDD 2x internal SATA port for 2.5" HDD/ SSD installation, supporting RAID 0/1 Storage Temperature -40°C ~ 85°C M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installation Humidity 10%-90%, non-condensing Wibration Operating, MIL-STD-810G, Method 514.6, Category 4 Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	Audio	1x 3.5 mm jack for mic-in and speaker-out		
SATA HDD 2x Internal SATA port for 2.5° HDD/ SSD installation, supporting RAID 0/1 Temperature -40°C ~ 85°C M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installation Humidity 10%~90%, non-condensing MSATA 1x full-size mSATA port (mux with mini-PCIe) Vibration Operating, MIL-STD-810G, Method 514.6, Category 4 Shock Operating, MIL-STD-810G, Method 516.6-II Shock Operating, MIL-STD-810G, Method 516.6-II	Storage Interfa	ce		-25°C ~ 50°C **/*** (configured as 65W TDP)
M.2 1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD or Intel® Optane™ memory installation Humidity 10%-90%, non-condensing Wibration Operating, MIL-STD-810G, Method 514.6, Category 4 mSATA 1x full-size mSATA port (mux with mini-PCIe) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	SATA HDD			-40°C ~ 85°C
M.2 or Intel® Optane™ memory installation Vibration Operating, MIL-STD-810G, Method 514.6, Category 4 mSATA 1x full-size mSATA port (mux with mini-PCIe) Shock Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II	M.2	1x M.2 2280 M key socket (PCIe Gen3 x4) for NVMe SSD	Humidity	10%~90% , non-condensing
Shock Table 516.6-II			Vibration	Operating, MIL-STD-810G, Method 514.6, Category 4
EMC CE/ECC Class & according to EN 55027 & EN 55024	mSATA	1x full-size mSATA port (mux with mini-PCle)	Shock	
			EMC	CE/FCC Class A, according to EN 55032 & EN 55024

* For i7-9700E and i7-8700 running at 65W mode, the highest operating temperature shall be limited to 50°C and thermal throttling may occur when sustained full-loading applied. Users can configure CPU power in BIOS to obtain higher operating temperature.
** For sub-zero operating temperature, a wide temperature HDD or Solid State Disk (SSD) is required.



Appearance Mic-in & Speaker-out COM1 & COM2 LED Indicators (HDD, WDT, IGN, PWR) Mezl0™ I/O COM4 x 1 8V~35V DC IN USB 3.1 Gen2 x2 DVI-D USB 3.1 Gen2 x2 SIM Socket x2 Π 6 2(-===)0 0 DisplayPort x1 GbE x6 USB 3.1 Gen1 x2 VGA USB 3.1 Gen1 x2 PCIE x 1 COM3 x 1 Remote Co and PWR LED Output

Dimensions



Ordering Information

Model No.	Product Description
Nuvo-7160GC Intel [®] 9th/8th-Gen Core [™] GPU-computing platform with 6x GbE and MezIO [™] interface, supporting selected NVIDIA [®] 120W GPU	
Optional IEEE 802.3at	PoE+ for GbE ports 3 ~ 6

Optional Accessories

PA-280W-ET2	280W AC/DC power adapter 24V/11.67A; 16AWG/100cm; cord end terminals for terminal block, operating temperature : -30°C to 60°C.
Damping bracket	Neousys' patented damping brackets assembly for Nuvo-7160GC/ Nuvo-7164GC

MezIO [™] -C180	MezIO [™] module with 4x RS-232/ 422/ 485 ports and 4x RS-232 ports	MezIO [™] -V20-EP	MezlO™ module with ignition power control function for in-vehicle application
MezIO [™] -C181	MezIO™ module with 4x RS-232/ 422/ 485 ports and 4x RS-422/ 485 ports	MezIO [™] -U4	MezlO™ module with 4x USB 3.1 ports
MezIO [™] -D220	MezIO™ module with 8-CH isolated digital input and 8-CH isolated digital output	MezIO [™] -G4	MezIO [™] module with 4x GigE ports
MezIO [™] -D230	MezIO™ module with 16-CH isolated digital input and 16-CH isolated digital output	MezIO [™] -G4P	MezIO [™] module with 4x IEEE 802.3at PoE+ ports
			Only Nuvo-7160-PoE support MezIO-G4P