Nuvo-6000 Series

Intel® 6th-Gen Skylake Core™ i7/i5 Fanless Box-PC with Up to 5 PCIe/PCI Expansion Slots

Key Features

- Supports Intel® 6th-Gen Core™ i7/i5/i3, Pentium® and Celeron® LGA1151 CPU
- Up to five expansion slots
  - x16 PCIe, x8 PCIe and three PCI slots (Nuvo-6032)
  - x16 PCIe and x8 PCIe slots (Nuvo-6002)
- Rugged, -25 °C to 60 °C fanless operation
- 2x GbE, 4x USB 3.0 and 5x COM ports
- Dual DVI display outputs
- Up to 3x 2.5" SATA accommodation and 1x mSATA socket
- Wall-mounting, DIN-rail mounting and rack-mounting available
- Automatic temperature sensing and fan control (optional)

Introduction

Nuvo-6000 series is the perfect replacement of your bulky rack-mount or wall-mount IPC systems. Leveraging 6th-Gen Intel® Skylake platform, It delivers the same computing power as traditional IPCs, but in a more compact form-factor and fanless operation.

Nuvo-6000 series supports LGA1151 socket-type CPU, thus you can choose from Core™ i7 to Celeron® depending on your performance and cost consideration. Its 5-slot capacity gives the same level of expandability as most IPCs. The front-accessible I/O design, including 2 GbE, 4 USB 3.0 and 5 COM ports, makes it easier to access your Nuvo-6000 when it's placed inside a cabinet or a rack.

Neousys' proven fanless design on Nuvo-6000 presents extraordinary reliability in all circumstances. And its versatile mounting options make it fit for desktop, cabinet or a 19" rack. With similar performance and cost, better form-factor and reliability, Nuvo-6000 series is speaking for itself on the new horizon of industrial computer.

Specifications

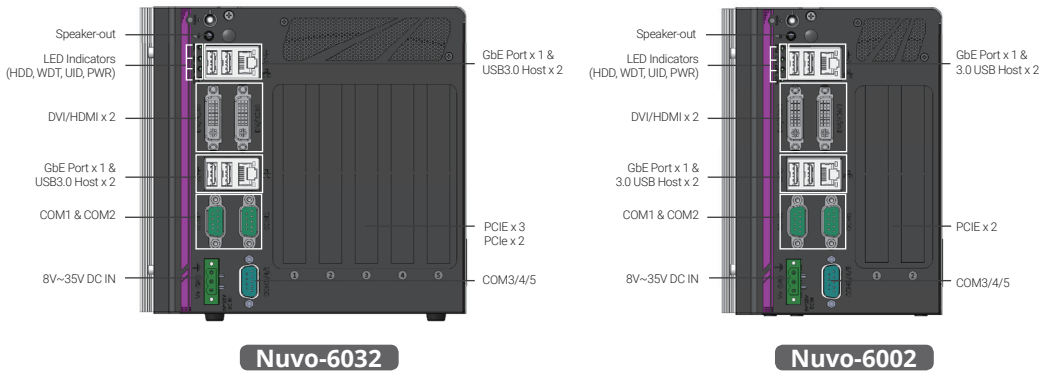
	Nuvo-6032	Nuvo-6002
System Core		
Processor	Supports Intel® 6th-Gen Core™, Pentium® and Celeron® LGA1151 CPU Intel® Core™ i7-6700TE (8M Cache, 2.4/3.4 GHz, 35W TDP) Intel® Core™ i5-6500TE (6M Cache, 2.3/3.3 GHz, 35W TDP) Intel® Core™ i3-6100TE (4M Cache, 2.7 GHz, 35W TDP) Intel® Pentium® G4400TE (3M Cache, 2.4 GHz, 35W TDP) Intel® Celeron® G3900TE (2M Cache, 2.3 GHz, 35W TDP)	
Chipset	Intel® H110 Platform Controller Hub	
Graphics	Integrated Intel® HD 530/510 Controller	
Memory	Up to 16 GB DDR4-2133 by one SODIMM socket	
I/O Interface		
Ethernet	1x Gigabit Ethernet port by Intel® I219-LM 1x Gigabit Ethernet port by Intel® I210-IT	
Video Port	2x DVI-D connectors for DVI/HDMI outputs,	
Serial Port	2x Software-programmable RS-232/422/485 ports 3x 3-wire RS-232 ports	
USB	4x USB 3.0 ports	
Audio	1x Speaker-out	
Storage Interface		
SATA HDD	3x SATA ports for 2.5" HDD/SSD installation	1x SATA port for 2.5" HDD/SSD installation
mSATA	1x full-size mSATA socket	

	Nuvo-6032	Nuvo-6002
Expansion Bus		
PCI Express	1x PCIe x16 slot @ Gen3, 16-lanes PCIE signals 1x PCIe x8 slot @ Gen2, 4-lanes PCIE signals	
PCI	3x 33MHz/32-bit PCI slots	-
Power Supply		
DC Input	1x 3-pin pluggable terminal block for 8~35 VDC input	
Mechanical		
Dimension	184mm(W)x225mm(D)x174mm(H)	124mm (W)x225mm(D)x174mm(H)
Weight	3.5 kg (incl. CPU, memory and HDD)	2.8 kg (incl. CPU, memory and HDD)
Mounting	Wall-mounting (standard), DIN-Rail mounting (optional), rack-mounting (optional)	
Environmental		
Operating Temperature	-25°C ~ 60°C */**	
Storage Temperature	-40°C ~ 85°C	
Humidity	10%~90% , non-condensing	
Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, w/o add-on card, according to IEC60068-2-64)	
Shock	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, w/o add-on card, according to IEC60068-2-27)	
EMC	CE/FCC Class A, according to EN 55022 & EN 55024	

** The CPU loading is applied using Passmark® BurnInTest 8.0. For detail testing criteria, please contact Neousys Technology*

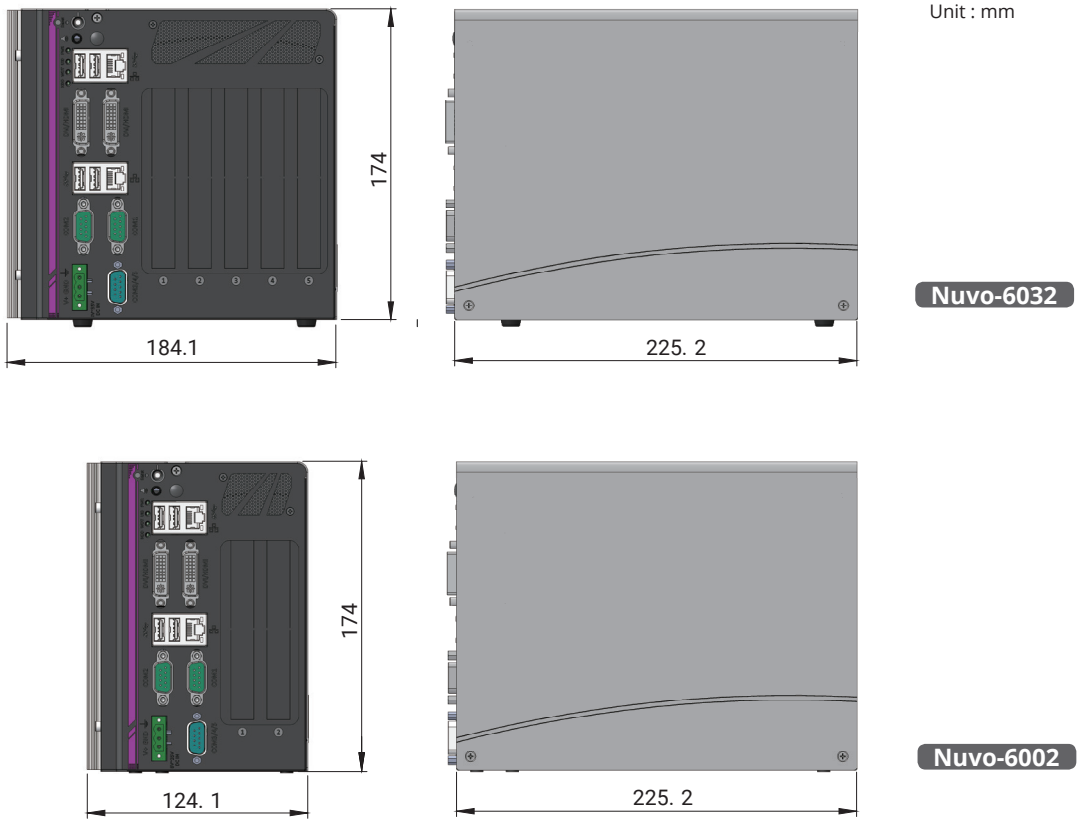
*** For sub-zero operating temperature, a wide temperature HDD drive or Solid State Disk (SSD) is required.*

Appearance



Dimensions

Unit : mm



Ordering Information

Model No.	Product Description
Nuvo-6032	Intel® 6th-Gen Core™ i7/i5/i3 Fanless Box-PC with 2x PCIe and 3x PCI expansion slots
Nuvo-6002	Intel® 6th-Gen Core™ i7/i5/i3 Fanless Box-PC with x16 and x8 PCIe expansion slots
Option of 80mm x 80mm smart fan	

Optional Accessories

DIN-Rail mounting clip for Nuvo-6000
Rack mounting kit
120W AC/DC power adapter
160W AC/DC power adapter