

# Nuvo-4000 Series

3rd-Gen Intel® Core™ i7/i5/i3 Fanless Controller with 4x Expansion Slots



## Features

- Support 3rd-Gen Intel Core™ i7/i5/i3 Quad-core processor
- Rugged, -25 °C to 60 °C fanless operation
- 4x expansion slots
- One x16 PCI Express slot
- One x4 PCI Express slot
- Two 33MHz/32-bit PCI slots
- 2x GbE ports by Intel I210 GbE controller
- 4x USB 3.0 ports
- 3x COM ports
- VGA/DVI/HDMI triple display outputs
- Optional Isolated 8DI/8DO with COS ( change of state ) function

## Specifications

System Core	
Processor	Intel® 3rd-Generation Core™i7-3610QE Processor (2.3/3.1 GHz) Intel® 3rd-Generation Core™i5-3610ME Processor (2.7/3.3 GHz) Intel® Celeron™ 1020E (2.2 GHz, 2 MB cache)
Chipset	Intel® HM76 Platform Controller Hub
Graphics	Integrated Intel® HD Graphics 4000 Controller
Memory	Up to 16 GB DDR3 1333/1600 SDRAM by two SODIMM sockets
I/O Interface	
Ethernet port	2x Gigabit Ethernet port by Intel I210
Video Port	1x DVI-I connector for VGA/DVI/HDMI output 1x DVI-D connector for DVI/HDMI output
Serial Port	2x Software-programmable RS-232/422/485 Ports 1x RS-232 port
USB	4x USB 3.0 ports
Audio	1x Speaker-out
Expansion Slot	
PCI Express	1x PCIe x16 slot @ 8-lanes PCIe signals 1x PCIe x4 slot
PCI	2x 33MHz/32-bit PCI slots
Fan Option	1x Optional 8CM fan for heat-dissipation for add-on cards

Storage Interface	
SATA HDD	2x SATA ports for 2.5" HDD/SSD with easy-swap HDD tray
CFast	1x CFast socket
Power Supply	
DC Input	Built-in 8~25 VDC DC input
Input Connector	1x mini-DIN (or R7B) power jack
Mechanical	
Dimension	164 mm (W) x 180mm (H) x 225 mm (D)
Weight	TBD
Mounting	Wall-mount by mounting bracket or optional DIN-Rail mounting
Environmental	
Operating Temperature	-25°C ~ 60°C
Storage Temperature	-40°C ~ 85°C
Humidity	10%~90% , non-condensing
Vibration	TBD
Shock	TBD
EMC	CE/FCC Class A, according to EN 55022 & EN 55024

## Dimensions

