798.00 EUR
incl. 19% VAT, plus shipping

- -25 °C to 70 °C
- 3x Intel 82574L Gigabit
- 4x COM

Support: Specifications [EN]

Boosting your computing engine to a new era! Incorporating Intel Core™ i7/i5 processor, the Nuvo-1000 controller offers extraordinary performance for arithmetic-intensive applications, while its fanless embedded design provides superb reliability and durability. The system comes with unique and smart main board and mechanical design. It is formed up only by a single main board and single heat sink to achieve most ruggedized and widest operating temperature embedded system in the market.

Nuvo-1000 also integrates versatile I/O interfaces in a compact chassis. It provides up to 5 Gigabit Ethernet ports and 2 eSATA ports, which is particularly useful for machine vision, surveillance and security applications. The VGA+DVI/HDMI dual display accomplishes an easy way of high-resolution content output for image or media applications. In addition, Nuvo-1000 also features rich IO functions, such as optional isolated DIO and PCI-104 expansion bus, to fit a broader range of applications.

The fanless design of Nuvo-1000 gives it exceptional long-term durability and tolerance to vibration, and its -25°C to +70°C temperature range provides a more reliable operation in various environments. For a quest of performance and reliability, Nuvo-1000 is the answer!

For a full PC you need in addition :

- Intel Core i5/i7 Mobile CPU (PGA-988)
- SO-DDR-III RAM
- 2.5" HDD/SSD or CompactFlash

System Core	
Processor	Intel Core i3, i5, i7 mobile processors Socket G (rPGA988A) [i7-620M,i5-540M,i5-520M,i5-450M,i5-430M]
Chipset	Intel® HM55 Platform Controller Hub
Graphics	Integrated Intel® HD Graphics Controller
Memory	1x 204-pin SO-DIMM socket, up to 4GB DDR3 1066MHz SDRAM
Front-panel I/O Interface	
Ethernet	1x Intel® 82574L Gigabit Ethernet port
Video Port	1x DB-15 connector for analog RGB, supporting 2560x1600 resolution 1x DVI-D connector for DVI/HDMI output, supporting 1920x1080 resolution
Serial Port	1x software-programmable RS-232/422/485 (COM1) 3x RS-232 (COM2 ~ COM4)
USB	6x USB 2.0 ports
KB/MS	1x PS/2 keyboard and 1x PS/2 mouse
Audio	1x Mic-in and 1x Speaker-out
Digital I/O	8x isolated DI and 8x isolated DO (optional)
Storage Interface	
SATA HDD	1x Internal SATA port for 2.5” HDD/SSD installation
eSATA	2x eSATA ports for storage expansion
CompactFlash	1x Type I CF socket
Expansion Bus	
Mini PCI-E	1x internal mini PCI Express socket with SIM socket
PCI-104	1x Internal PCI-104 socket (optional)
Power Supply	
DC Input	Built-in 8~28 VDC DC input
Input Connector	1x 4-pin pluggable terminal block with remote on/off control 1x DC jack (ø2.5) for AC/DC adapter input
Mechanical	
Dimension	240 mm (W) x 195 mm (D) x 76 mm (H)
Weight	2.7 Kg (including 2.5” HDD and DDR3 SODIMM)
Mounting	Wall-mount by mounting bracket
Environmental	
Operating Temperature	Ambient with air flow (> 0.5 m/s or 1.8 km/hr), 100% CPU loading* -25°C ~ 70°C (Nuvo-1005S-620M & Nuvo-1003S-520M) -25°C ~ 60°C (Nuvo-1003S-4500P) Ambient without air flow, 100% CPU loading* -25°C ~ 60°C (Nuvo-1005S-620M & Nuvo-1003S-520M) -25°C ~ 50°C (Nuvo-1003S-4500P) -40°C extended temperature option is also available. Please contact Neousys for further information.
StorageTemperature	-40°C ~ 85°C
Humidity	10%~90% , non-condensing
Vibration	Operating, 5 Grms, 5-500 Hz, 3 Axes (w/ SSD, according to IEC60068-2-64)
Shcok	Operating, 50 Grms, Half-sine 11 ms Duration (w/ SSD, according to IEC60068-2-27)
EMC	CE/FCC Class A, according to EN 55022 & EN 55024