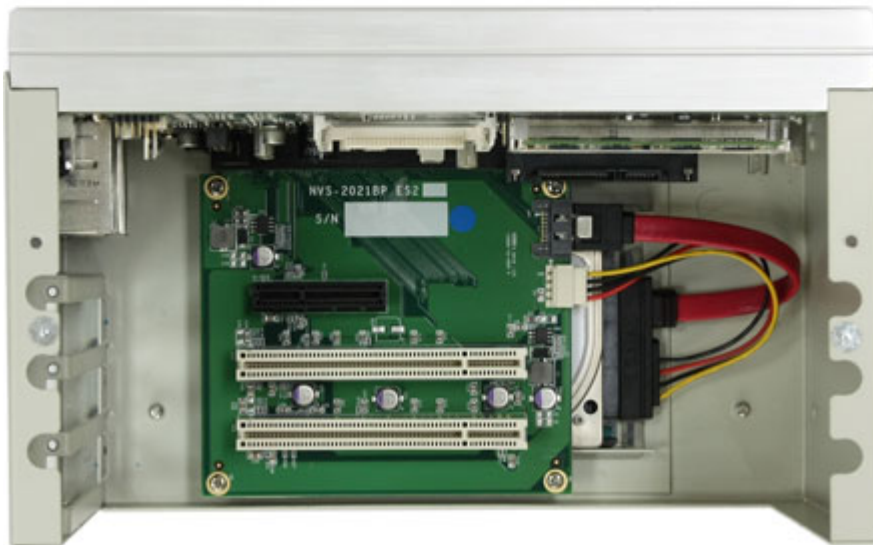




549.00 EUR

incl. 19% VAT, plus [shipping](#)

- -20 °C to 70 °C
- 4x COM
- 8-25V DC input !
- 2x PCI, 1x PCI-E !



**Support:**  [Specifications \[EN\]](#)

It is an Intel® Atom™ D525 IPC. It is, moreover, a reliable embedded fanless IPC. Nuvo-2000 accommodates up to three PCI/PCIe cards and two 2.5" hard drives in its shoe-box size. More than that, it provides versatile I/O interfaces such as COM ports, USB ports, Gigabit Ethernet port, parallel port and mini-PCIe port, not to mention that the isolated DIO channels can be integrated optionally into this compact box.

Leveraging Intel® Atom™ D525 1.8GHz dual-core processor, Nuvo-2000 delivers adequate computing performance for most Industrial applications. We also give Nuvo-2000 ingenious design mechanically and electronically so it can have a reliable, embedded fanless operation in the temperature range of -20 to 70°C.

Nuvo-2000 is designed for general-purpose usage. Its compact size, PCI/PCIe slots and simple yet useful I/O functions fit most applications where wall-mount IPC is currently deployed. And, what is more, the embedded fanless design of Nuvo-2000 gives you much more reliability than an ordinary IPC in all kinds of environments.

System Core

Processor

Intel® Atom™ D525 1.8GHz dual-core processor

Chipset

Intel® ICH8-M I/O Control Hub

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Graphics                         | Integrated Intel® GMA 3150 graphics                                                                                |
| Memory                           | 1x 204-pin SO-DIMM socket, up to 4GB DDR3 800MHz SDRAM                                                             |
| <b>Front-panel I/O Interface</b> |                                                                                                                    |
| Ethernet                         | 1x Intel® 82574L Gigabit Ethernet port                                                                             |
| Video Port                       | 1x DB-15 connector for analog RGB, supporting 2048x1563 resolution                                                 |
| Serial Port                      | 1x software-programmable RS-232/422/485 (COM1)<br>1x RS-232 (COM2)                                                 |
| USB                              | 4x USB 2.0 ports                                                                                                   |
| KB/MS                            | 1x 6-pin Mini-Din for PS/2 keyboard and mouse                                                                      |
| Audio                            | 1x Mic-in and 1x Speaker-out                                                                                       |
| <b>Internal I/O Interface</b>    |                                                                                                                    |
| Serial Port                      | 2x RS-232 (COM3 & COM4)                                                                                            |
| Parallel Port                    | 1x Parallel port                                                                                                   |
| Mini-PCIe                        | 1x mini PCI Express slot with SIM socket                                                                           |
| Isolated DIO                     | 12-CH isolated DI + 12-CH isolated DO (Optional)                                                                   |
| <b>Storage Interface</b>         |                                                                                                                    |
| SATA HDD                         | 2x Internal SATA ports for 2.5" HDD/SSD installation                                                               |
| CompactFlash                     | 1x Type I & II CF socket                                                                                           |
| <b>Expansion Bus</b>             |                                                                                                                    |
| PCI                              | 3x PCI slots (Nuvo-2030)<br>2x PCI slots (Nuvo-2021)<br>1x PCI slot (Nuvo-2010)                                    |
| PCI Express                      | 1x PCI Express x4 slot (Nuvo-2021 only)                                                                            |
| <b>Power Supply</b>              |                                                                                                                    |
| DC Input                         | Built-in 8~25 VDC DC input                                                                                         |
| Input Connector                  | 1x 2-pin pluggable terminal block for DC input<br>1x DC jack (ø2.5) for AC/DC adapter input                        |
| <b>Mechanical</b>                |                                                                                                                    |
| Dimension                        | 141 mm (W) x 157mm (H) x 226 mm (D)                                                                                |
| Weight                           | 2.9 kg (including one 2.5" HDD and DDR3 SODIMM)                                                                    |
| Mounting                         | Wall-mount by mounting bracket                                                                                     |
| <b>Environmental</b>             |                                                                                                                    |
| Operating Temperature            | Standard model: -20°C~70°C, 100% CPU loading */**<br>Extended temperature model: -20°C~70°C, 100% CPU loading */** |
| StorageTemperature               | -40°C ~ 85°C                                                                                                       |
| Humidity                         | 10%~90%, non-condensing                                                                                            |
| Vibration                        | Operating, 5 Grms, 5-500 Hz, 3 Axes<br>(w/ SSD, w/o add-on card, according to IEC60068-2-64)                       |
| Shcok                            | Operating, 50 Grms, Half-sine 11 ms Duration<br>(w/ SSD, w/o add-on card, according to IEC60068-2-27)              |
| EMC                              | CE/FCC Class A, according to EN 55022 & EN 55024                                                                   |

