



## 698.00 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, 2x Gigabit Ethernet port, parallel 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.

## Nuvo-2021+ (Intel Atom D525, 2xPCI, 1xPCI-E, 2x LAN) [FANLESS]

[http://www.cartft.com/catalog/il/1643]



Processor Intel® Atom™ D5	25 1.8GHz dual-core processor
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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

Front-panel I/O Interface

Ethernet 2x 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)

1x RS-232 (COM2)

USB 4x USB 2.0 ports

Audio 1x Mic-in and 1x Speaker-out

Internal I/O Interface

Video port 1x Optional 2nd VGA output via flat cable, supporting 1366x768

resolution

Serial Port 2x RS-232 (COM3 & COM4)

Parallel Port 1x Parallel port

Isolated DIO 8-CH isolated DI + 8-CH isolated DO (Optional)

Storage Interface

SATA HDD 2x Internal SATA ports for 2.5" HDD/SSD installation

CompactFlash 1x Type I & II CF socket

**Expansion Bus** 

PCI 3x PCI slots (Nuvo-2030)

2x PCI slots (Nuvo-2021+)

PCI Express 1x PCI Express x4 slot (Nuvo-2021+ only)

**Power Supply** 

DC Input Built-in 8~25 VDC DC input

Input Connector 1x 2-pin pluggable terminal block for DC input

1x DC jack (ø2.5) for AC/DC adapter input

Mechanical

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

Environmental

Operating Temperature

Standard model: -20°C~70°C, 100% CPU loading \*/\*\*

Extended temperature model: -20°C~70°C, 100% CPU loading \*/\*\*

StorageTemperature  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ 

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)

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

