NEXINEO

NEO virtual desktop device

- displays the shared server output to user monitors
- ensures that input from peripherals is transferred between the NEO device and the server
- zero noise without moving parts
- average power consumption 5 W, maximum power consumption 15 W
- supports resolutions of up to 1920 x 1080
- RAM 2 GB
- 10/100/1000 Mbps Ethernet
- dimensions 120 x 120 x 44 mm
- weight 300 g
- communication software and firmware for NEO virtual desktop devices in English, German, Spanish, Portuguese, Czech, Slovak and Polish
- the product meets safety requirements according to EC/EU directives

Contents of the NEO device package

- NEO virtual desktop device
- USB-C Power Supply
- VESA mount
- micro-HDMI to HDMI cable for connection to an HDMI monitor

Inputs and outputs of the NEO device

- 2x USB 2.0 port – black (for connecting keyboard and mouse)
- 2x USB 3.0 high speed ports – blue (for connecting other peripherals)
- 1x 4-ring TRS 'A/V' jack 3.5 mm (audio output only)
- 1x integrated power button
- 1x power in (USB-C)
- 2x micro-HDMI ports (only one active)
- 1x Gigabit Ethernet port

NEO devices include 2 micro-HDMI inputs for monitor connection, however only one micro-HDMI input is active, located closer to the power supply.

The NEO virtual desktop devices are networked to the central server that supplies power, stores data and runs applications. The NEO devices have an average power consumption of 5 W, their weight is 300 g, and they have an average service life of up to 10 years. The NEO devices do not generate noise nor heat and ensure a healthier classroom environment.

Included in the price of the NEO devices is the NEXI Board management console, which allows teachers to conveniently control the entire teaching process from their position. The price of the NEXI Board management console is included in the price of the NEO devices, and the customer will receive a licence for the number of users equal to the number of NEO devices purchased.

Windows Server 2022 OS supported. ⊞ Windows Server 2022

- Power in (USB-C)
- Ethernet
- Micro-HDMI
- 4x USB

1. 2x USB 2.0 port
2. 2x USB 3.0 high speed ports
3. Gigabit Ethernet port

4. Power in (USB-C)
5. Micro-HDMI video output
6. Audio output

7. Power button

NEXINEO

Microsoft licences required for each NEO device

Education

- 1x Windows Server 2022 – 1 Device CAL – EDU
- 1x Windows Server 2022 Remote Desktop Services – 1 Device CAL – EDU

Business

- 1x Windows Server 2022 – 1 Device CAL
- 1x Windows Server 2022 Remote Desktop Services – 1 Device CAL

Microsoft licences are not part of NEXINEO's delivery and therefore need to be purchased and activated by the customer themselves. The manual for activating Windows licences can be found on the Support page of the e-shop.

Peripherals that can be connected to the NEO device

Headphones (without microphone)

Headphones with 3.5 mm jack connection or headphones with a USB connection.

Headset (with microphone)

Headset with microphone with USB connection.

Keyboards and mice

We recommend using wired keyboards and mice with USB connections. With a larger numbers of units, wireless keyboards and mice can interfere with each other. Bluetooth mice and keyboards are not supported.

USB Flash Disk
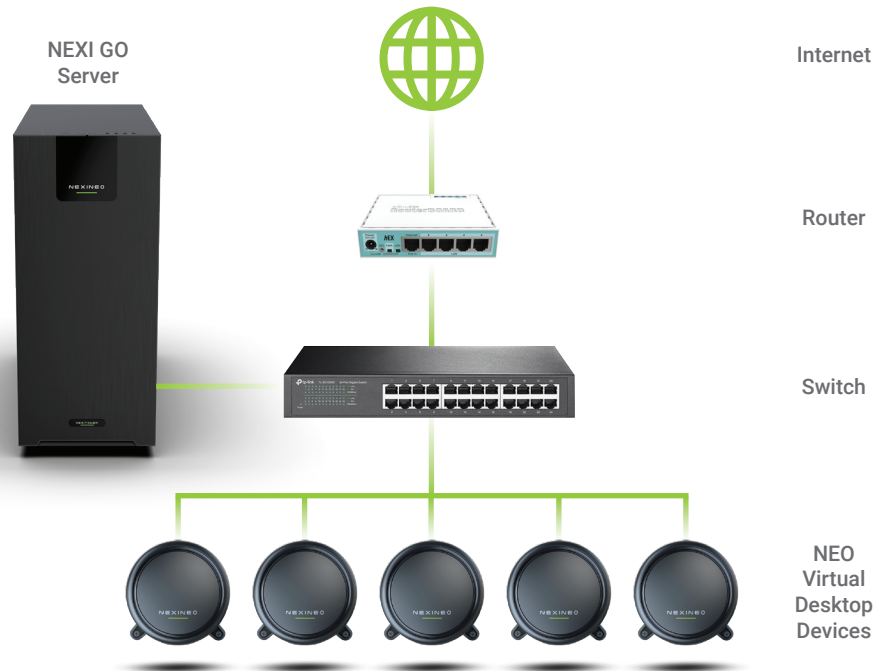
Standard USB Flash Disk.

Other peripherals

Specialized peripherals and webcams are not compatible with the NEO devices.

Note

NEO devices include 2 micro-HDMI inputs for monitor connection, however only one micro-HDMI input is active, located closer to the power supply.

Wiring diagram of the NEXINEO virtualized computer classroom

NEXI GO Server

Internet

Router

Switch

NEO Virtual Desktop Devices

The server has the Windows Server 2022 OS installed, which runs the NEXI Board management console. The NEXI Board management console provides communication between the NEO devices and the server via a LAN network. RDP with graphic acceleration developed directly for the NEO devices is used as the basic two-way communication protocol (it does not require a CPU or large RAM on the terminal; everything takes place on the server). Just like with traditional solutions, every user has his/her own desktop, applications and settings. NEXINEO supports connection to Windows domains, and you can diagnose the domain before installation using the NEXI domain tester tool.

NEXINEO

WELCOME TO THE FUTURE OF TEACHING

NEXINEO virtualized computer classrooms are **used by more than 300,000 students** in Europe and together **we have saved tons of CO_2 emissions and e-waste.** Join us and make digital learning more effective in your school.

Powered by Raspberry Pi

www.nexineo.com
nexineo@nexineo.com