

Technical parameters of the NEXI GO 20 server

- processor with a minimum frequency of 4.3 GHz, at least 12 cores
- DDR5 operating memory, minimum capacity 64 GB
- 2 TB M.2 SSD with a minimum endurance of 1200 TBW
- 2x graphic card with a minimum of 8 GB VRAM
- GbE LAN (10/100/1000 Mbit/s)
- sound card
- computer power supply 1000 W with minimum efficiency 80 Plus Gold
- PC case with dust filters and sound proofing

The basic package of the NEXI GO 20 server also includes:

- server assembly to your specifications
- basic server configuration
- installation of Windows Server 2022 OS **trial version**
- installation of the NEXI Board management console

Microsoft licence required for NEXI GO 20 server

Education

- Windows Server 2022 Standard – 16 Core License Pack EDU

Business

- Windows Server 2022 Standard – 16 Core License Pack

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.

Optional accessories

The NEXI GO 20 server does not include a built-in CD/DVD-ROM drive. If necessary, we recommend ordering an external CD/DVD-ROM in our e-shop.

NEXI GO 20 server

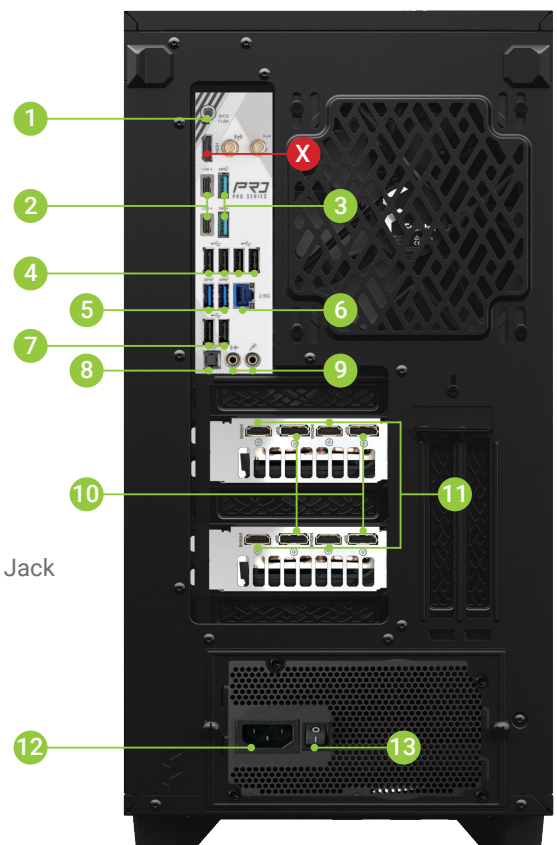


The NEXI GO server delivers power, stores data, and runs applications for the NEO virtual desktop devices. The NEXI GO server comes pre-installed with the Windows Server 2022 **trial version** and a pre-installed NEXI Board management console. Any technician with a basic knowledge of Windows OS can easily install the teaching applications.

NEXI GO 20 server connections

NEXI GO 20 server Back panel

- 1 BIOS Flashback Button
- 2 2 x USB (Type-C)
- 3 2 x USB 3.2 (Type-A)
- 4 4 x USB 2.0 (Type-A)
- 5 2 x USB 3.2 (Type-A)
- 6 RJ-45 Ethernet
- 7 2 x USB 2.0 (Type-A)
- 8 Optical S/PDIF Out Port
- 9 Line Out, Microphone Input Jack
- 10 4 x DisplayPort
- 11 4 x HDMI
- 12 Power supply
- 13 I/O switch
- X Inactive ports



NEXI GO 20 server Front side

- 1 2x 3,5 mm Audio jack
- 2 Reset button
- 3 USB Type-C
- 4 Power button
- 5 LED diode
- 6 2x USB 2.0 (Type-A)
- 7 2x USB 3.0 (Type-A)



The NEXI GO 20 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 virtual desktop 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. The NEXI GO solution will suit you if you and your students are using graphically undemanding applications that are compatible with Windows Server 2022 OS.

Basic components used in NEXI GO 20 servers

CASE	Fractal Design Define 7
MBD	ASROCK X870 Pro RS
CPU	AMD Ryzen 9 9900X
CPU COOLER	Noctua NH-D15
RAM	Kingston FURY 64GB KIT DDR5 5200MHz CL40 Beast Black
GPU	2x GIGABYTE GeForce RTX 5050 GAMING OC 8G
SSD	Samsung 990 PRO 2 TB
PSU	GIGABYTE AORUS ELITE P1000W 80+ Platinum Modular PCIe 5.0

Alternative components that can be used in NEXI GO 20 servers

CASE1	Fractal Design Define 7 Black – Dark TG
MBD1	ASROCK X870 Pro RS WiFi
MBD2	ASROCK X870 Steel Legend WiFi
CPU1	AMD Ryzen 9 7900X
CPU2	AMD Ryzen 9 9950X
CPU COOLER1	Noctua NH-U12A
RAM1	Kingston FURY 64GB KIT DDR5 5600MHz CL36 Beast EXPO
RAM2	Kingston FURY 64GB KIT DDR5 5600MHz CL40 Beast Black
GPU1	2x GIGABYTE GeForce RTX 5050 WINDFORCE OC 8G
GPU2	2x ASUS PRIME GeForce RTX 5050 8G OC
SSD1	Kingston FURY Renegade NVMe 2TB
SSD2	Kingston KC3000 NVMe 2TB
PSU1	ASUS TUF GAMING 1000W GOLD
PSU2	Seasonic Focus GX-1000 ATX 3.1

If these components are not available from our suppliers at the time of your order, the alternative components of NEXI GO 20 servers can be used, while complying with the minimum parameters specified in the section “Technical parameters of the NEXI GO 20 server”.

NEXINEO

WELCOME TO THE FUTURE OF TEACHING

NEXINEO has many **years of experience** in designing and specifying servers for NEXINEO virtualized computer classrooms, which are currently **used by hundreds of schools in Europe**.

NEXI GO servers use high-quality components and therefore feature **long service life and high reliability**. Each NEXI GO server undergoes a thorough stress test before being shipped to the customer.