Mini PC MINIX N512LS i5-12600H 16GB 512GB

Model: N512 LS

Manufacturer: MINIX

EAN: 4897016414527

Product Code: 1748949

R15,679

MINIX N512LS Mini PC with i5-12600H, 16GB, and 512GB

The MINIX N512 LS is a mini PC measuring just 119.9 × 119.9 × 37.9 mm, equipped with a 12-core Intel Core i5-12600H processor, 16 GB of DDR5 RAM, and a 512 GB NVMe SSD. It’s ideal for office work, video conferencing, data analysis, and running multiple applications simultaneously. Integrated Intel Iris Xe graphics, along with HDMI, Thunderbolt 4, and USB-C ports with DisplayPort support, allow you to set up a multi-monitor workstation. The computer also features Wi-Fi 6, Bluetooth 5.2, two LAN ports (2.5 Gb/s and 1 Gb/s), and Windows 11 Pro. Thanks to its compact design and the option to mount it behind a monitor, it takes up minimal desk space.

Intel Core i5-12600H – 12 cores for multitasking

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.
itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

The 12th-generation Intel Core i5-12600H processor has 12 cores (4 high-performance and 8 energy-efficient), 16 threads, 18 MB of cache, and a clock speed of up to 4.5 GHz. The hybrid design distributes tasks among the cores, allowing the computer to efficiently handle multiple open programs, spreadsheets, video conferences, and complex documents. It also performs well for light photo editing and running applications that require more processing power.

16 GB DDR5 RAM and a fast 512 GB SSD

16 GB of DDR5 memory, divided into two 8 GB modules, makes it easier to work with multiple applications without frequent data reloading. The computer has two SO-DIMM slots, which are standard RAM slots also used in laptops. The pre-installed 512 GB M.2 2280 NVMe PCIe 3.0 x4 SSD reduces the time it takes to boot the system, open programs, and copy files. If you need more storage, you can install a second NVMe or SATA SSD in the additional M.2 2280 slot without replacing the factory-installed drive.

Multiple Monitors and 8K Resolution

The MINIX N512 LS is equipped with two HDMI ports, a Thunderbolt 4 port, and a USB-C port with DisplayPort functionality. This allows you to connect multiple monitors and conveniently split open applications across them. HDMI 1.4 supports 4K at 30 Hz, HDMI 2.1 supports 4K at 60 Hz, and Thunderbolt 4 supports up to 8K at 60 Hz. The highest resolutions require a compatible monitor and cable. The integrated Intel Iris Xe graphics will perform well when watching high-definition movies, preparing presentations, and performing basic graphics tasks. However, it is not designed for demanding video games.

Thunderbolt 4 and Ports for Everyday Devices

To connect accessories, you have four USB-A 3.2 Gen 2 ports and one USB-C 3.2 Gen 2 port, which enable fast data transfer between the computer and external drives or USB flash drives. An additional USB-C port with Thunderbolt 4 technology is used to connect high-speed devices and transmit video. Two HDMI ports make it easy to connect monitors, and the 3.5 mm combo audio jack supports headphones with a microphone. All the most important ports are located on the front and back of the chassis, so you can connect frequently used accessories without having to move the computer.

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.
itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

Wi-Fi 6, Bluetooth 5.2, and two independent LAN ports

Wi-Fi 6 operates on the 2.4 and 5 GHz bands, providing stable wireless connectivity, especially when paired with a router that supports this standard. Bluetooth 5.2 lets you connect a keyboard, mouse, headphones, and other accessories without taking up USB ports. You also have two RJ-45 Ethernet ports with speeds of 2.5 Gb/s and 1 Gb/s. You can use them for a fast connection to a local network or to connect your computer to two separate networks, such as an office network and a service network.

Windows 11 Pro – Features Useful for Business

The MINIX N512 LS comes with Windows 11 Pro pre-installed, so you don’t have to install the operating system yourself. The Pro version offers additional features useful in a business environment, including BitLocker data encryption, remote desktop support, and enterprise computer management features. As a result, the device is well-suited for both home offices and workstations requiring additional security measures.

Compact Chassis and Well-Designed Cooling System

Measuring 119.9 × 119.9 × 37.9 mm, the computer fits easily next to a monitor or on a shelf. The gray case features ventilation openings to aid heat dissipation, and its design—with a cooling system engineered for quiet operation—minimizes noise during everyday use. This is particularly useful in offices, home offices, and home workstations, where the computer is located close to the user. The case also features a Kensington Lock slot, allowing you to attach a suitable anti-theft cable.

VESA Mounting – More Desk Space

The included VESA mount allows you to attach the computer to the back of a monitor with a compatible mount. This way, the MINIX N512 LS doesn’t take up space on the desk, and cables can be routed behind the screen. This solution is ideal for offices, reception areas, customer service counters, and workstations with limited space. You can also set up the computer traditionally on a desk, either horizontally or vertically.

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.
itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

Included

- MINIX N512 LS Mini PC
- VESA mounting bracket
- HDMI cable
- AC power adapter

Manufacturer	MINIX
Model	N512 LS
Device Type	Mini PC
Processor	Intel Core i5-12600H, 12th Gen
Cores / Threads	12 (4P + 8E) / 16
Processor Clock Speed	up to 4.5 GHz
Cache	18 MB
Graphics	Intel Iris Xe Graphics
RAM	16 GB DDR5 (2 × 8 GB)
RAM slots	2 × DDR5 SO-DIMM
Storage	512 GB M.2 2280 NVMe PCIe 3.0 x4 SSD
Storage Expansion	additional M.2 2280 PCIe 3.0 x4 slot, also compatible with SATA 3.0 drives
Operating System	Windows 11 Pro
Wi-Fi	Wi-Fi 6 (802.11ax), 2.4 GHz / 5 GHz
Bluetooth	5.2
LAN	1 × RJ-45 2.5 Gb/s + 1 × RJ-45 1 Gb/s
USB-A	4 × USB 3.2 Gen 2
USB-C	1 × USB 3.2 Gen 2 (DisplayPort, Power Delivery, data, charging)
Thunderbolt	1 × Thunderbolt 4 (USB-C)
HDMI	1 × HDMI 1.4 (4K/30 Hz) + 1 × HDMI 2.1 (4K/60 Hz)

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.
itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

Thunderbolt 4 video output	up to 8K/60 Hz
Audio	3.5 mm combo jack
Security	Kensington Lock
Mounting	VESA
Dimensions	119.9 × 119.9 × 37.9 mm
Color	gray

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_others.pdf, PPWR: https://ppwr.innpro.pl/en/minix, Gross weight: 1220, Net weight: 470, Box length: 22,50, Box width: 17,50, Box height: 7,00, Last delivery: 23.11.2026

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.
itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950