Mini PC Minix Barebone Core 3 N300

Model: Z300-0dB barebone

Manufacturer: MINIX

EAN: 4895274400351

Product Code: 1695463

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Minix Barebone Core i3-N300 Mini PC

The Minix Barebone Core i3-N300 is a compact computer equipped with an Intel Core i3-N300 processor (8 cores, 8 threads, up to 3.8 GHz, 6 MB cache), integrated Intel UHD Graphics, and support for 3200 MHz DDR4 memory. The device offers Wi-Fi 6 and Bluetooth 5.2 connectivity, a fast 2.5 Gb/s Ethernet interface, and two HDMI 2.1 ports that allow you to connect two monitors running at 4K resolution at 60 Hz. The barebone design allows you to choose your own RAM and storage, so you can tailor the computer to your specific needs. Also noteworthy are the passive cooling system, the compact dimensions of just 12.3 × 12 × 4.6 cm, and the energy-efficient design with a maximum power consumption of 25 W.

Performance Powered by the Intel Core i3-N300 Processor

The computer is powered by an Intel Core i3-N300 processor featuring eight cores and eight threads, with a clock speed of up to 3.8 GHz. The processor is designed for smooth office work, running

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business applications, and playing high-resolution multimedia content. The integrated Intel UHD Graphics chip ensures efficient system performance and comfortable multitasking, making the device ideal for both home and business environments.

Passive, fanless cooling system

The Minix Core i3-N300 utilizes an advanced heat dissipation system based on a solid, ribbed chassis. Thanks to its completely passive design, the device operates silently, which translates to greater user comfort and reduces the amount of dust accumulating inside the case. The manufacturer has also ensured that the processor maintains high performance, eliminating the need to throttle its performance to reduce operating temperature.

Stable and fast network connectivity

The computer is equipped with a Wi-Fi 6 module, which ensures a fast and stable connection to a wireless network. Bluetooth 5.2 technology allows for convenient connection of headphones, keyboards, mice, and other peripherals. An additional advantage is the 2.5 Gb/s Ethernet port, which enables fast and reliable wired communication when transferring large files or working with network resources.

Support for Two 4K Monitors

Two HDMI 2.1 ports allow you to connect two monitors simultaneously and display images in 4K resolution at a 60 Hz refresh rate. This solution enhances the comfort of everyday work, makes it easier to manage multiple applications, and allows you to make better use of your available workspace. The computer is well-suited for use as a home multimedia center, as well as a component of information systems, sales stations, or advertising installations.

Expandable Configuration

The barebone design gives users the freedom to choose their own components. The computer supports DDR4 SO-DIMM memory modules running at 3200 MHz and M.2 PCIe 3.0 x4 drives. This solution allows you to boost the device’s performance and tailor its capabilities to your individual needs.

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Wide selection of ports and practical features

The chassis features a USB-C 3.2 Gen 2 port for data transfer, two USB 3.2 Gen 2 ports, two USB 2.0 ports, a 3.5 mm audio jack, and a TF memory card reader. Users can also take advantage of Wake on LAN, automatic startup after power restoration, and the RTC Wake Up schedule. These features enhance the device’s functionality and allow the computer to operate continuously as a control center, media server, or component of an extensive network infrastructure.

Compact Design and Low Power Consumption

With compact dimensions of 123 × 120 × 46 mm, the computer fits easily on a desk, behind a monitor, or in a limited workspace. The manufacturer has included a VESA-compatible mount in the package, which simplifies installation and helps keep your workspace tidy. The energy-efficient design, with a maximum power consumption of 25 W, translates to lower operating costs and stable, long-term performance.

Included in the set

- Minix Barebone Mini PC
- VESA mount
- HDMI cable
- 12 V / 3 A power supply
- External antennas x 2

Manufacturer	Minix
Model	Z300-0dB Barebone
Processor	Intel Core i3-N300
Number of cores and threads	8 cores, 8 threads
Maximum clock speed	up to 3.8 GHz
Graphics	Intel UHD Graphics
RAM	DDR4 3200 MHz SO-DIMM

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Maximum supported memory capacity	32 GB
Storage	M.2 PCIe 3.0 x4
Wireless connectivity	Wi-Fi 6 (802.11ax), Bluetooth 5.2
Wired connectivity	2.5 Gb/s Ethernet
Video ports	2 × HDMI 2.1 (4K at 60 Hz)
USB ports	2 × USB 3.2 Gen 2, 2 × USB 2.0
USB-C port	USB-C 3.2 Gen 2 (data transfer)
Additional Connectors	3.5 mm audio jack, TF card reader
Additional Features	Wake on LAN, RTC Wake Up, automatic startup after power restoration
Maximum Power Consumption (TDP)	25 W
Power supply	12 V / 3 A power adapter, DC jack supporting voltages from 12 V to 19 V
Dimensions	123 × 120 × 46 mm
Form factor	barebone
Operating system	Windows 11 Pro (depending on configuration)

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