

PCB_CUBE_100U8G_HOME

PCBuilder Cube Intel Core 3-100U 8GB DDR5 512GB Windows 11 Home Mini PC

Product Overview

PCBuilder Cube Intel Core 3-100U 8GB DDR5 512GB Windows 11 Home Mini PC, Intel Core 3 100U Processor with 6 Cores and up to 4.70GHz Speed, 8GB DDR5-4800 SO-DIMM Memory installed, Expandable to 96GB via 2x Dual-Channel DDR5 slots, Microsoft Windows 11 Home Pre-Installed, 512GB Gen3 M.2 NVMe SSD storage included, Support for up to 2 additional M.2 PCI-e 4.0 NVMe drives, Intel Wi-Fi 6 and Bluetooth V5.2 connectivity, Dual 2.5Gbps RJ45 Ethernet Ports, USB Type-C Port supporting USB4 speeds up to 40Gbps, Front panel includes 2x USB 3.2 Ports and 1x 3.5mm Audio jack, Rear panel features DisplayPort, HDMI 2.1, And 2x USB 3.2 Ports, Display support for up to three monitors with 8K@60Hz capability, Includes Kensington lock slot for Security





Specifications

Overview Summary:

Upgrade your workspace with the PCBuilder CUBE, a powerful Intel Core 3 mini PC designed for professionals and businesses in South Africa who need reliable performance without the bulk. Equipped with an Intel Core 3-100U processor, 8GB of fast DDR5 RAM, and a lightning-fast 512GB SSD, this compact desktop handles multitasking, high-resolution displays, and demanding applications with ease.

Ideal for office productivity, digital signage, or point-of-sale systems, the CUBE features seamless connectivity via Wi-Fi 6 and dual Ethernet ports, along with support for up to three external monitors. Its sleek, VESA-mountable design keeps your desk clean while delivering desktop-class power in a tiny footprint. Buy now to experience efficient computing tailored for modern South African work environments.

Performance tier:High Efficiency

Uses:Office Workstations, Digital Signage, POS Systems, Remote Work, Home Office

Overview:

PCBuilder CUBE Mini PC Overview:

The PCBuilder CUBE-100U is a compact desktop computer engineered for professionals who demand high performance without sacrificing desk space. Whether you need a reliable workstation for office tasks, a robust solution for digital signage, or an efficient point-of-sale system, this mini PC handles professional workloads with ease. Powered by the Intel Core 3-100U processor, it delivers smooth multitasking and fast application responsiveness, making it ideal for modern environments that require both efficiency and speed.

Beyond raw processing power, this unit is optimized for visual productivity, supporting stunning 8K visuals via Intel Graphics. Users can configure flexible multi-monitor setups using the Type-C, DisplayPort, and HDMI 2.1 outputs to extend or mirror up to three displays, ensuring crystal-clear imagery at 8K resolution for presentations or creative work. The system runs on Microsoft Windows 11 Home, featuring intuitive tools like Snap Layouts and Desktops to maximize screen real estate and workflow organization.

Built in-house by experienced technicians, each unit undergoes careful construction with protective packaging to ensure it arrives ready for immediate use. Designed for a clean workspace, the CUBE is VESA-mountable to attach behind monitors or under desks, while the built-in Kensington lock slot provides added security in shared offices.

Description:

The PCBuilder CUBE (Part Number: PCB_CUBE_100U8G_HOME) combines power and portability for a versatile computing experience. This mini PC features an Intel Core 3-100U processor with six cores capable of speeds up to 4.70GHz, ensuring fast performance for demanding applications. It comes equipped with 8GB of DDR5 memory and a 512GB NVMe SSD for rapid boot times and data access. The device supports seamless connectivity through Wi-Fi 6, Bluetooth 5.2, and dual 2.5Gbps Ethernet ports, along with versatile video outputs for multi-monitor setups.

Features:**Key Performance Features:**

- High-speed Intel Core 3-100U processor with up to 4.70GHz clock speed
- Dual-channel DDR5 memory architecture supporting up to 96GB expansion
- Ultra-fast data transfer via USB4 ports reaching 40Gbps
- 8K@60Hz display support for immersive visual experiences
- Flexible storage options with two M.2 slots for future upgrades
- Dual 2.5Gbps Ethernet ports for robust network connectivity

Connectivity and Ports

The CUBE-100U is designed to keep you connected with next-generation interfaces. Front access includes a USB Type-C port supporting video output up to 7680x4320, along with standard audio jacks and additional USB ports for peripherals. The rear panel offers extensive connectivity including DisplayPort for high-refresh-rate displays, HDMI 2.1, two Ethernet ports, and power input.

- Front: 1x Type-C (USB4), 2x USB3.2, 1x Audio Jack
- Rear: 1x DP, 1x HDMI 2.1, 2x RJ45 Ethernet, DC Power
- Wireless: Intel Wi-Fi 6 and Bluetooth 5.2 integrated

Technical Specifications:

The system is built on a solid foundation of components designed for longevity and performance. It operates within standard temperature ranges and features a compact form factor that weighs just 470g, making it easy to transport or mount.

- CPU: Intel Core 3-100U (6 cores/8 threads)
- Memory: 8GB DDR5 4800MHz SO-DIMM
- Storage: 512GB Gen3 M.2 NVMe SSD
- Display Support: Up to three displays, max 8K resolution
- Dimensions: 13 x 12.7 x 4.7 cm
- Mounting: VESA compatible (100/75mm)

What's in the Box

Everything required to get started is included in your package.

- PCBuilder CUBE Intel Core 3-100U Mini PC
- AC Power Adapter
- VESA Mounting Bracket
- M4 and M3 Mounting Screws
- User Manual

Specifications:

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Specifications	
Product Code	PCB_CUBE_100U8G_HOME
Operating System	Microsoft Windows 11 Home
CPU	Intel Core 3 processor 100U (6 cores/8 threads, 10MB Cache, up to 4.70GHz)
GPU	Intel Graphics
Memory Installed	8GB DDR5 4800MHz SODIMM Memory x1
Memory Slots	2x Dual-channel DDR5 SO-DIMM (up to 96GB@5200MHz)
Storage	512GB Gen3 M.2 NVMe SSD
Storage Slots	2x M.2 PCIe 4.0 NVMe (SSD)
Wireless LAN	Intel Wi-Fi 6 (Wi-Fi 802.11 a/b/g/n/ac/ax)
Bluetooth	V5.2
Ports (Front)	1x 3.5mm AUX (dual line-out mic-in)
	1x Type-C (USB4 up to 40Gbps) 7680x4320 (8K@60Hz)
	2x USB3.2 (up to 10Gbps)
Ports (Back)	2x USB3.2 (up to 10Gbps)
	1x DP 3840x2160 (4K@144Hz)
	1x HDMI 2.1 3840x2160 (4K@60Hz)
	2x RJ45 Gigabit Ethernet (2.5Gbps)
	1x DC power
VESA Mount	Yes (100/75mm , included)
AC Input	100-240V (50/60Hz)
DC Output	65W (19V/3.42A)
Total Draw Power (TDP)	15W
Kensington Lock Slot	Yes
Colour	Black
Material	PC & ABS
Operating Temperature	0degreesC to 40degreesC
Product Dimensions	13 x 12.7 x 4.7 cm
Product Weight	470g

FAQ

Can I connect multiple monitors to this Mini PC?

The PCBuilder CUBE-100U supports flexible multi-monitor setups, allowing you to extend or mirror up to three displays using its Type-C (USB4), DisplayPort, and HDMI 2.1 outputs for enhanced workflow efficiency.

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Product Specification Sheet

Is the memory upgradeable on this device?

Yes, while it comes with one 8GB DDR5 SO-DIMM module installed, the unit features two dual-channel DDR5 SO-DIMM slots that support expansion up to 96GB at speeds of 5200MHz.

Does this Mini PC come with a mounting bracket for wall or monitor installation?

Absolutely, the CUBE-100U is VESA-mountable and includes a mounting bracket (100/75mm) along with M4 and M3 screws in the box to help create a clean, cable-free workspace.

What kind of connectivity does this PC offer for office or retail use?

This model is equipped with dual 2.5Gbps Ethernet ports, Intel Wi-Fi 6, Bluetooth V5.2, and high-speed USB3.2 ports to ensure stable and fast connections for POS systems or digital signage.

Can I add more storage beyond the included 512GB SSD?

The device includes one 512GB M.2 PCIe 3.0 NVMe SSD, but it has a second M.2 slot available, allowing you to configure up to two high-speed drives for expanded storage capacity.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

https://www.comx-computers.co.za/PCB_CUBE_100U8G_HOME-PCBuilder-Cube-Intel-Core-3-100U-Buy-p-341851.php

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