

PCB_CUBE_100U12G_OFFICE

PCBuilder Cube Mini PC, Core 3 100U 4.7GHz, 12GB RAM, 512GB SSD, Win 11 po

Product Overview

PCBuilder Cube Mini PC, Intel Core 3 100U Six 6x Core Raptor Lake Turbo boost up to 4.7GHz 10MB L3 Cache Processor with Intel Graphics (2 performance Cores & 4 efficient Cores) i, 12GB DDR5-5600 SO-DIMM Memory, 512GB Gen3 M.2 NVMe SSD, Windows 11 Pro 64bit, Wi-Fi 6, Bluetooth, 1x 3.5mm Aux (Dual Line-Out Mic-In) (Front), 1x Type-C (USB4 up to 40Gbps) (Front), 2x USB 3.2 (Up to 10Gbps) (Front), 2x USB 3.2 (Up to 10Gbps), 1x DP 3840x2160, 1x HDMI 2.1 3840x2160, 2x RJ45 Gigabit Ethernet





Specifications

Overview Summary:

Buy the PCBuilder CUBE Intel Core 3 100U Mini PC for a compact and capable computing solution with 12GB DDR5 memory, a 512GB NVMe SSD and Windows 11 Pro. Its space-saving design makes it ideal for offices, home workspaces, business systems and professional installations.

With fast Wi-Fi 6 connectivity, versatile display outputs and high-speed USB ports, this mini PC is built for productive everyday computing and flexible setups. Shop now or buy now for a compact desktop solution that is ready to work.

Performance tier:Entry to mid-range productivity

Uses:Office work, home office computing, business applications, web browsing, multitasking, digital signage, point-of-sale systems, presentations, multi-display setups

Overview:

The PCBuilder CUBE-100U Intel Core 3 Mini PC delivers full desktop-class functionality in an exceptionally compact form factor. Built for office work, digital signage, point-of-sale systems and everyday business computing, this space-saving PC combines a capable Intel processor, fast DDR5 memory, NVMe storage and modern connectivity in a small 470g chassis.

Description:

The PCBuilder CUBE-100U is designed for users who need dependable performance without taking up valuable desk space. Its Intel Core 3 100U processor provides 6 cores and 8 threads with boost speeds of up to 4.70GHz, making it well suited to multitasking, productivity software, web applications and other everyday business workloads.

With 12GB of DDR5-5600 memory and a 512GB Gen3 M.2 NVMe SSD, the CUBE-100U provides fast system startup, responsive application loading and smooth day-to-day operation. The two DDR5 SO-DIMM slots also allow the memory capacity to be expanded when additional performance is required.

Features:

Compact Intel Mini PC for Business and Office Use

The CUBE-100U offers a practical alternative to a conventional desktop PC when workspace is limited. Its compact 13 x 12.7 x 4.7 cm chassis can be positioned neatly on a desk or mounted behind a compatible monitor using the included VESA bracket.

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It is suitable for a wide range of applications, including:

- Office productivity and administration
- Point-of-sale and retail systems
- Digital signage and information displays
- Business workstations
- Reception desks and service counters
- Home office computing
- Multi-display productivity environments

Intel Core 3 100U Processing Power

At the centre of the PCBuilder CUBE is the Intel Core 3 100U processor. With 6 cores, 8 threads, 10MB of cache and speeds of up to 4.70GHz, it provides a strong balance of responsiveness and energy efficiency for everyday computing.

The processor uses 2 performance cores and 4 efficient cores, allowing the system to handle multiple applications while maintaining a compact, low-power design. With a 15W TDP, the CUBE-100U is well suited to environments where efficient operation is important.

Fast DDR5 Memory and NVMe Storage

The system comes equipped with 12GB of DDR5-5600 SO-DIMM memory and a 512GB Gen3 M.2 NVMe SSD. This combination helps deliver quick boot times, responsive application loading and fast access to files.

The internal storage platform supports two M.2 PCIe NVMe SSDs, providing additional flexibility for users who need more storage or want to separate operating system and data storage.

Key memory and storage details include:

- 12GB DDR5-5600 SO-DIMM memory installed
- 2x DDR5 SO-DIMM slots
- Supports up to 96GB memory at up to 5200MHz
- 512GB Gen3 M.2 NVMe SSD included
- 2x M.2 PCIe 4.0 NVMe storage slots

High Resolution Display Support

Intel Graphics provides support for high-resolution displays, making the CUBE-100U suitable for office applications, presentations, digital signage and multi-screen workstations.

The Type-C USB4 port can support resolutions up to 7680 x 4320 at 60Hz, while the rear DisplayPort supports up to 3840 x 2160 at 144Hz and HDMI 2.1 supports up to 3840 x 2160 at 60Hz. This allows users to build a flexible multi-display workstation for improved productivity.

USB4, USB 3.2 and Network Connectivity

Connectivity is one of the strengths of this compact Intel Mini PC. The front-mounted USB4 Type-C port supports data transfer speeds of up to 40Gbps, while four USB 3.2 ports provide additional high-speed connections for peripherals, storage devices and other accessories.

Network connectivity includes dual 2.5Gbps RJ45 Ethernet ports, providing fast wired networking for business environments. Intel Wi-Fi 6 and Bluetooth 5.2 are also built in for convenient wireless connectivity.

Available connections include:

- 1x USB4 Type-C up to 40Gbps
- 4x USB 3.2 up to 10Gbps

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- 1x 3.5mm AUX audio connector
- 1x DisplayPort
- 1x HDMI 2.1
- 2x RJ45 2.5Gbps Ethernet
- Intel Wi-Fi 6
- Bluetooth 5.2

Windows 11 Pro Ready for Business

The PCBuilder CUBE-100U comes supplied with Microsoft Windows 11 Pro 64-bit, providing a familiar operating environment for professional and home users. Windows 11 includes tools such as Snap Layouts and multiple desktops to help organise applications and make better use of available screen space.

The combination of Windows 11 Pro, fast NVMe storage and DDR5 memory makes this mini PC ready for productivity applications, browser-based workflows, administration and other common business tasks.

Space Saving VESA Mount Design

The compact CUBE-100U can be mounted behind a compatible monitor or beneath a desk using the included VESA mounting bracket. This helps reduce desktop clutter and creates a cleaner installation, particularly in offices, reception areas, retail counters and digital signage applications.

A Kensington lock slot is also included, providing an additional physical security option for shared or public-facing environments.

PCBuilder CUBE-100U Technical Details

- Processor: Intel Core 3 100U, 6 cores / 8 threads, 10MB cache, up to 4.70GHz
- Graphics: Intel Graphics
- Memory: 12GB DDR5-5600 SO-DIMM
- Memory expansion: 2x DDR5 SO-DIMM slots, up to 96GB
- Storage: 512GB Gen3 M.2 NVMe SSD
- Storage expansion: 2x M.2 PCIe 4.0 NVMe slots
- Operating system: Microsoft Windows 11 Pro 64-bit
- Wireless: Intel Wi-Fi 6
- Bluetooth: Bluetooth 5.2
- Ethernet: 2x 2.5Gbps RJ45
- Front display/data connection: USB4 Type-C up to 40Gbps
- DisplayPort: Up to 3840 x 2160 at 144Hz
- HDMI 2.1: Up to 3840 x 2160 at 60Hz
- USB: 4x USB 3.2 up to 10Gbps
- VESA mounting: 75/100mm, bracket included
- Power input: 100-240V AC, 50/60Hz
- DC output: 65W, 19V/3.42A
- TDP: 15W
- Security: Kensington lock slot
- Colour: Black
- Material: PC and ABS
- Operating temperature: 0 to 40 C
- Dimensions: 13 x 12.7 x 4.7 cm
- Weight: 470g

The PCBuilder CUBE-100U is supplied under part number / SKU PCB_CUBE_100U12G_OFFICE, making it easy to identify when ordering, configuring or managing stock.

What Is Included

The package contains the PCBuilder CUBE Intel Core 3-100U Mini PC with 12GB DDR5 memory, 512GB NVMe storage and Windows 11 Pro, together with the accessories required for installation.

- PCBuilder CUBE Intel Core 3-100U Mini PC x1
- AC adapter x1
- VESA mounting bracket x1
- M4 mounting screws x4
- M3 mounting screws x2
- User manual x1

A Small PC With Flexible Business Potential

The PCBuilder CUBE-100U combines a compact footprint with capable Intel processing, fast DDR5 memory, NVMe storage, Wi-Fi 6, 2.5Gbps Ethernet and USB4 connectivity. Its VESA mounting capability and low-power design make it particularly useful where space, connectivity and efficient operation are important.

For office users, retail installations, digital signage and compact workstations, this Intel Core 3 Mini PC provides a practical Windows 11 Pro computing platform while keeping the physical footprint to a minimum.

Specifications:

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Specifications	
Product Code	PCB_CUBE_100U12G_OFFICE
Operating System	Microsoft Windows 11 Pro
CPU	Intel Core 3 processor 100U (6 cores/8 threads, 10MB Cache, up to 4.70GHz)
GPU	Intel Graphics
Memory Installed	12GB DDR5 5600MHz 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)

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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

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_100U12G_OFFICE-PCBuilder-Cube-Mini-PC-Core-Buy-p-339817.php

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