BCDN01-NUC-U5-S512

BCDN01-NUC-U5-S512

ENTRY LEVEL MINI BOX FOR AFFORDABLE AND RELIABLE PERFORMANCE

The BCDN01-NUC is powered by your choice of Intel® CoreTM 3 100U or Intel® CoreTM Ultra 5 225H processors, purpose-built for the AI- driven future of mission-critical surveillance.

Supporting up to 96GB DDR5-6400 memory and PCIe Gen5 NVMe SSD storage, this ultra-compact 0.48L unit handles demanding workloads with ease. Intel® ArcTM Graphics enable AI acceleration and multi-display output across up to four 4K screens, while Intel® vPro® (select SKUs) adds enterprise-grade security and remote management. MIL-STD-810H certified and featuring a tool-less chassis, the BCDN01-NUC is built for reliable, flexible deployment in any environment. All appliances are built in-house in BCD's secure facilities, ISO 9001:2015 certified through DQS Inc.



KEY FEATURES

- Cyber Hardened Video Appliance
- Gen 4 & Gen 5 NVMe M.2 SSD Supported
- Intel Core 3 100U or Intel Core Ultra 5 225H
- Windows 11 IoT LTSC
- 3-year Standard Warranty

FOR MORE INFORMATION: bcdvideo.com | sales@bcdinc.com | +1.888.305.4993

TECH SUPPORT: support@bcdinc.com

Copyright © 2026, BCD. All rights reserved. This document is provided for information purposes only. Intel, the Intel logo, the Intel Inside logo and Xeon are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

BCDN01-NUC-U5-S512

BCDN01-NUC-U5-S512

SYSTEM

Operating Systen

Windows 11 IoT LTSC

Memory

Intel Core 3 100U - (1) 8GB DDR5 RAM

Intel Core Ultra 5 225H - (2) 8GB DDR5 RAM

Processors

Intel Core 3 100U - 6 cores, 8 threads, up to 4.7 GHz

Intel Core Ultra 5 225H - 14 cores, 14 threads, up to 4.9 GHz

Processor Passmark

Intel Core 3 100U - 12,732

Intel Core Ultra 5 225H - 28,629

Networking

(1) 2.5GbE RJ45

Intel® Wi-Fi 7 BE201 (Gig+) + Bluetooth 5.4

USBs

Front I/O Ports: (1) USB 3.2 Gen2x2 Type-C / (2) USB 3.2 Gen2 Type-A

Back I/O Ports: (1) USB 3.2 Gen 2 Type-A (1) USB 2.0 Type-A

Video Outputs

(2) Thunderbolt 4 Type-C w/ DisplayPort 2.1

(1) HDMI 2.1 (TMDS Compatible)

MECHANICAL

Form Factor

Mini-PC/NUC

Power Supply(s)

(1) DC 12V - 90W Adapter

Operating Temperature

(Min) 32°F - 104° F

(Min) 0˚C - 40˚C

Operating Humidity

0%-92% non-condensing

Dimensions (WxDxH)

117mm x 112mm x 54mm (4.6 x 4.4 x 2.12)

Warranty

3-Year

STORAGE

Storage Slot

Gen 4 & Gen 5 NVMe M.2

SSD Supported

Hard Drives Supported

PCIe NVMe

FOR MORE INFORMATION: bcdvideo.com | sales@bcdinc.com | +1.888.305.4993

TECH SUPPORT: support@bcdinc.com

Copyright © 2026, BCD. All rights reserved. This document is provided for information purposes only. Intel, the Intel logo, the Intel Inside logo and Xeon are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.