

NVIDIA DGX Spark - Founders Edition - mini PC Cortex-A725 + Cortex-X925 - 128 GB - SSD 4 TB - 1000 TFLOPS(940-54242-0009-000)

NVIDIA DGX Spark - Founders Edition - mini PC 2 Cortex-A725 + Cortex-X925 - RAM 128 GB - SSD 4 TB - NVMe - Blackwell Tensor Core - Gigabit Ethernet, 10 Gigabit Ethernet, Bluetooth 5.3 LE, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11be (Wi-Fi 7) - Ubuntu - monitor: none - 1000 TFLOPS



The NVIDIA DGX Spark is engineered for performance in an ultra small form factor. This mini PC is equipped with powerful processing capabilities featuring a dual ARM Cortex processor with 20 cores and a generous 128 GB of LPDDR5X SDRAM, ensuring seamless multitasking and efficient operation. The 4 TB SSD utilizes NVM Express (NVMe) technology, enhancing storage speed and security with self-encrypting capabilities, ideal for handling large datasets and AI workloads.

Networking capabilities are robust, supporting multiple protocols including 10 Gigabit Ethernet and Wi-Fi 6 and Wi-Fi 7 standards, while Bluetooth 5.3 LE ensures easy connectivity. With four HDMI and USB interfaces, versatility in connecting displays and peripherals is ensured. The system excels in graphic performance with NVIDIA Blackwell Tensor Core graphics, supporting floating point performance of 1000 TFLOPS, making it suitable for various demanding applications.

Key Selling Points

- Ultra small form factor designed for compact spaces
- 20-core ARM Cortex processor for efficient multitasking
- 4 TB self-encrypting NVMe SSD for fast and secure data storage
- Networking support with 10 Gigabit Ethernet and Wi-Fi 6/7
- NVIDIA Tensor Core graphics for demanding applications

Product Features

Compact design

The ultra small form factor of the DGX Spark allows for space-saving versatility, making it an excellent choice for users with limited desktop area.

Powerful processing

Featuring a dual ARM Cortex processor with 20 cores, this mini PC delivers performance and responsiveness for high-demand applications.

Robust networking

With support for multiple data link protocols including 10 Gigabit Ethernet and Wi-Fi 6/7, connectivity remains fast and reliable for all networking needs.

High-capacity storage

The 4 TB NVMe SSD ensures high-speed data access and security with its self-encrypting feature, suitable for extensive data management.

Exceptional graphics

Equipped with NVIDIA Blackwell Tensor Core graphics, the system supports floating point performance, ideal for graphics-intensive applications.

Main Specifications

Product Description	NVIDIA DGX Spark - Founders Edition - mini PC Cortex-A725 + Cortex-X925 - 128 GB - SSD 4 TB - 1000 TFLOPS
Type	Personal computer - mini PC - 1000 TFLOPS
Localisation	Region: United Kingdom
Processor	2 x ARM Cortex-A725 + Cortex-X925 (20-core)
RAM	128 GB LPDDR5X SDRAM
Hard Drive	SSD 4 TB - M.2 - NVM Express (NVMe)
Optical Storage	No optical drive
Graphics Controller	NVIDIA Blackwell Tensor Core

Networking	1GbE, 10GbE, Bluetooth 5.3 LE, 802.11a, Wi-Fi 5, Wi-Fi 6, Wi-Fi 7, 802.11b/g/n
OS Provided	Ubuntu
Software Included	NVIDIA DGX OS
Dimensions (WxDxH)	15 cm x 15 cm x 5.05 cm
Weight	1.2 kg

Extended Specification

General

Type	Personal computer
Product Form Factor	Mini PC
Localisation	Region: United Kingdom

Expansion / Connectivity

Interfaces	1 x HDMI 1 x 10 Gigabit Ethernet - RJ-45 4 x USB - Type C
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RAM

Installed Size	128 GB
Technology	LPDDR5X SDRAM
Configuration Features	Unified memory

Networking

Ethernet Controller	Mellanox ConnectX-7
Wireless LAN Supported	Yes
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet, Bluetooth 5.3 LE, IEEE 802.11a, IEEE 802.11ac, IEEE 802.11ax (Wi-Fi 6), IEEE 802.11b, IEEE 802.11be (Wi-Fi 7), IEEE 802.11g, IEEE 802.11n

Power

Device Type	Power supply
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Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	Ubuntu
Software	NVIDIA DGX OS

Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	NVIDIA Blackwell Tensor Core
Floating Point Performance	1000 TFLOPS
Video Interfaces	HDMI

Hard Drive

Type	SSD - M.2
Capacity	1 x 4 TB
Features	NVM Express (NVMe) self-encrypting

Dimensions & Weight

Width	15 cm
Depth	15 cm
Height	5.05 cm
Weight	1.2 kg

Processor / Chipset

CPU	ARM Cortex-A725 + Cortex-X925
Number of Cores	20-core
CPU Qty	2

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet