

DGX Spark 簡易說明及RMA注意事項

線上客服連結：

<https://www.leadtek.com.tw/cht/support/warranty/>

將快速入門指南妥善保存以備將來參考，封面上包含以下資訊：

- 热點 SSID、密碼及設置頁面，這些資訊對每台 DGX Spark 都是唯一的。請務必保留此份快速入門指南。
- 保留或拍攝序號標籤的照片，以便將來硬體支援與 RMA (退換貨) 申請使用。



Guidebook for NVIDIA DGX Spark FE

v1.1

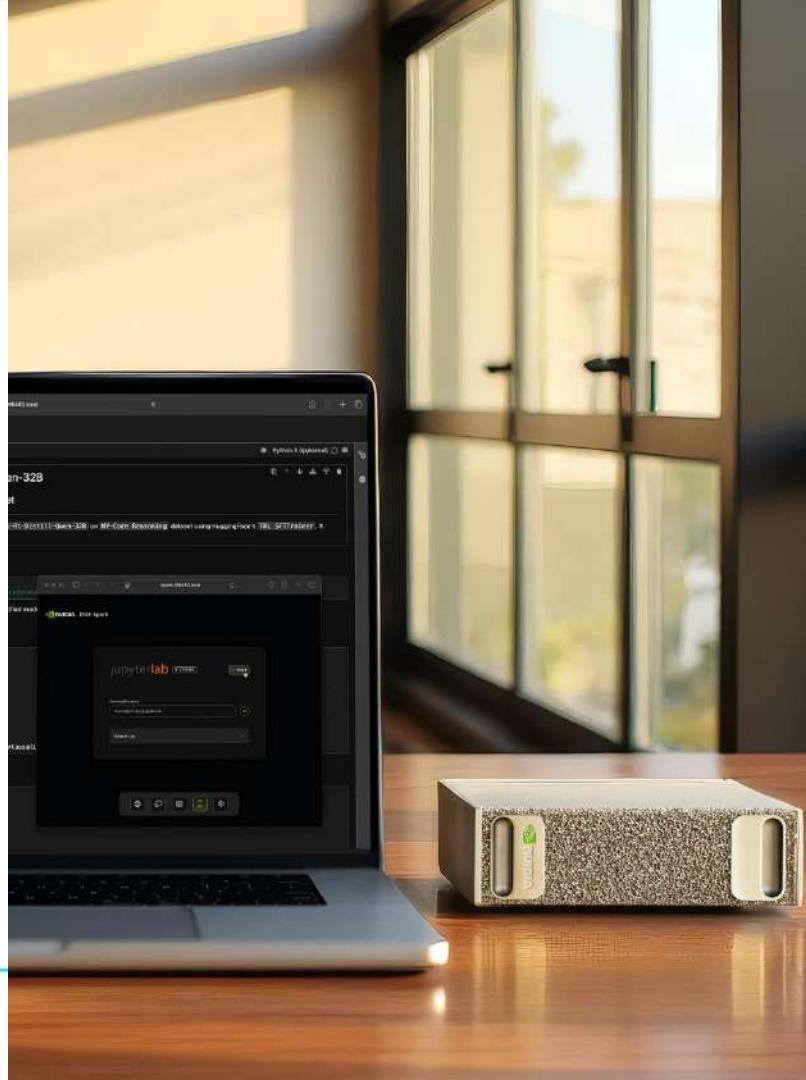
Leadtek Research Inc., Nov. 12, 2025

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NVIDIA DGX Spark

Designed to build and run AI

- Large local memory
- Support for NVIDIA AI software stack
- Compact, power efficient form factor
- Configure as standalone system or network connected compute resource

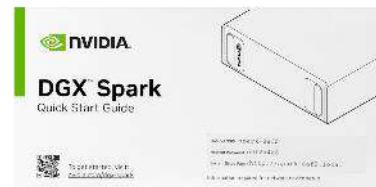
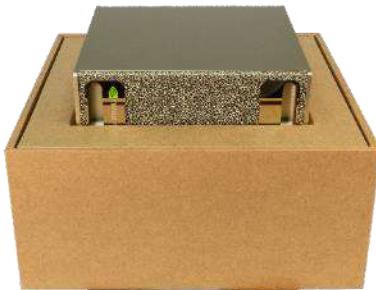


NVIDIA DGX Spark: Specifications



Architecture	NVIDIA Grace Blackwell
GPU	Blackwell Architecture
CPU	20 core Arm, 10 Cortex-X925 + 10 Cortex-A725
CUDA Cores	Blackwell Generation
Tensor Cores	5th Generation
RT Cores	4th Generation
Tensor Performance	1 PFLOP
System Memory	128GB LPDDR5x, unified system memory
Memory Interface	256-bit
Memory Bandwidth	Up to 273 GB/s
Storage	4 TB NVME.M2 with self-encryption
USB	4x USB Type C
Ethernet	10 Gbe/ 1x RJ-45 connector
NIC	ConnectX-7 Smart NIC @ 200 Gbps
Wi-Fi	Wi-Fi 7
Bluetooth	BT 5.4
Audio output	HDMI multichannel audio output
Power Consumption	240W
Display Connectors	1x HDMI 2.1a
NVENC NVDEC	1x 1x
OS	NVIDIA DGX™ OS
System Dimensions	150 mm L x 150 mm W x 50.5 mm H
System Weight	1.2 kg

NVIDIA DGX Spark: Package Content



DGX Spark Quick Start Guide

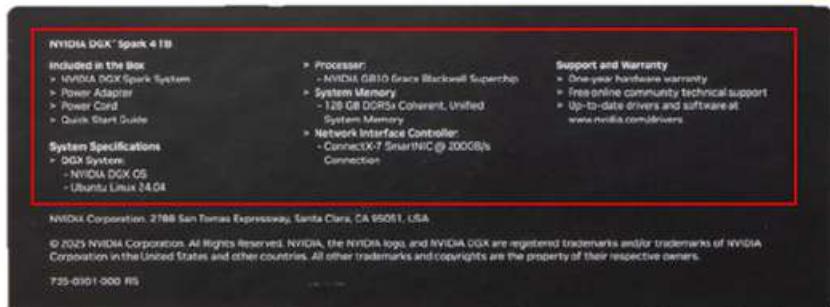


Power Adapter and Power Cord

NVIDIA Enterprise GPU

NVIDIA DGX Spark: Labeling (1)

DGX Spark 序號部份 會貼在外盒，特別注意 RMA 需要連同外盒一起送，機器上方下方 無條碼、貼紙



- Package content
- System specifications

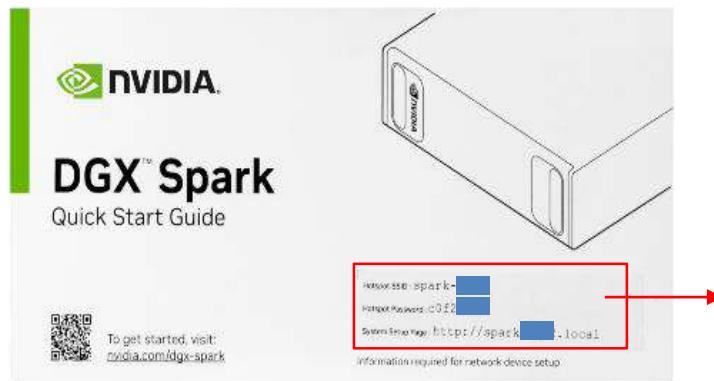


- Waring message for coin battery
- Serial number
- Part number

There is no mark or label of any kind on the unit.

DGX Spark: Reminder for Customer (1)

- Keep the Quick Start Guide at a safe place for future reference, it contains the info on the cover:
 - Hotspot SSID, Password and Setup page which are unique to each DGX Spark



The information required
for network device setup

DGX Spark: Reminder for Customer (2)

- More product information of DGX Spark FE should be visible by removing its bottom panel. The panel is magnetically attached, no tools needed.
- Markings include:
 - Model #, COO, serial number, part number and regulatory certs



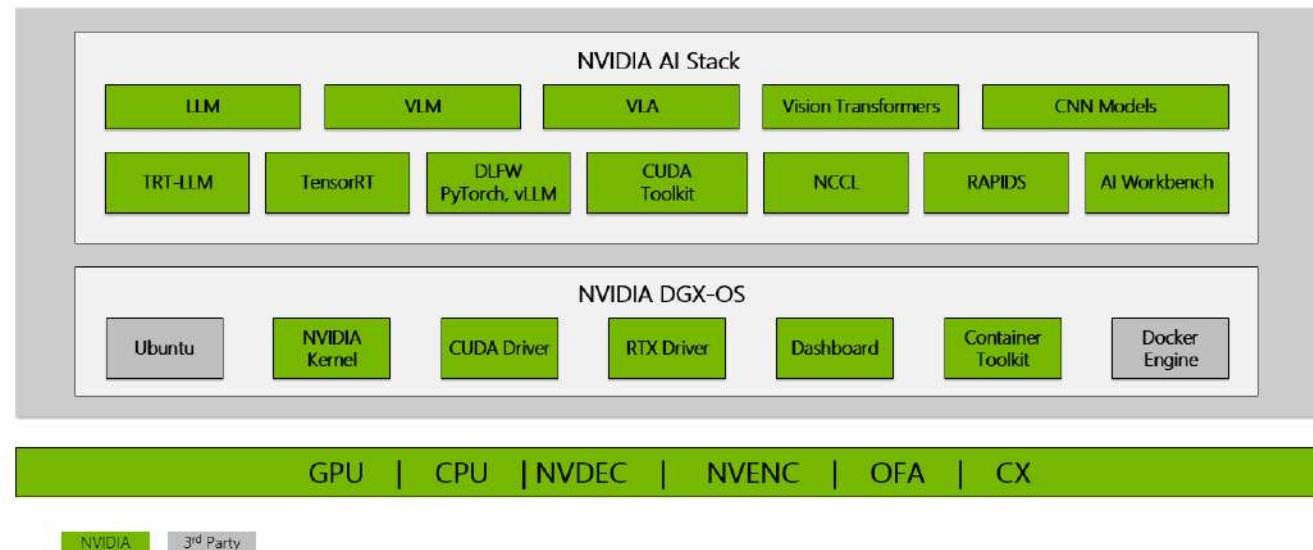
(Serial number will be required for RMA submission)



DGX Spark: Enterprise Grade OS

DGX Spark Pre-configured with:

- **NVIDIA DGX OS:** Optimized operating system for AI workloads
- **Development Tools:** CUDA, cuDNN, and NVIDIA's development ecosystem
- **Container Support:** Docker and NVIDIA Container Runtime for easy deployment
- **NGC Integration:** Access to NVIDIA's container registry



1. Not all components available at launch. Preinstalled software may be updated with the latest versions downloaded at 1st boot.
2. Production deployment (DC and cloud) requires NVAIE license

DGX Spark: Full Developer Software Ecosystem and AI Software

Development SDKs, Frameworks, Workflows, Models, Tools



NVIDIA NIM NVIDIA Blueprints NVIDIA Nemotron Models

Ecosystem Tools, Models, Applications and Services



Hugging Face PyTorch Meta OpenAI Google
Qwen docker unsloth Microsoft Comfy



NVIDIA NeMo NVIDIA Cosmos NVIDIA Holoscan NVIDIA Metropolis NVIDIA Isaac / Isaac Sim

DGX Spark Software Stack

GPU | CPU | NVDEC | NVENC | OFA | CX

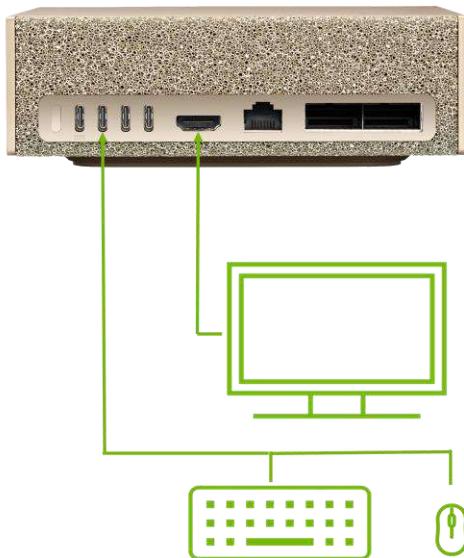
NVIDIA

3rd Party

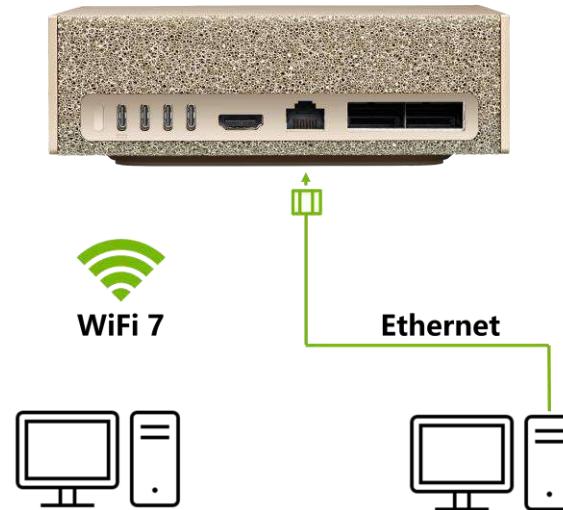
1. Not all components available at launch. Preinstalled software may be updated with the latest versions downloaded at 1st boot
2. Production deployment (DC and cloud) requires NVAIE license

DGX Spark: Deployments

Local - Standalone



Remote Access



(For initial access to DGX Spark during system setup and configuration, using Local Mode is recommended)

DGX Spark: Instruction Manual

DGX Spark Quick Start Guide

- System Installation
- System Configuration
 - Configuring as a standalone system
 - Configuring as a network connected compute device
- For information on clustering 2 DGX Spark system, please see **DGX Spark User Guide**

Video: [Getting Started with the NVIDIA DGX Spark](#)

PDF Version: <https://www.nvidia.com/content/dam/en-za/solutions/support/dgx-spark/DGX-Spark-Quick-Start-Guide.pdf>

DGX Spark User Guide

- Release Notes
 - Operating System: NVIDIA DGX OS 7.2.3
 - NVIDIA GPU Driver: 580.95.05
 - NVIDIA CUDA Toolkit: 13.0.2
- Initial Setup – First Boot
- System Configuration
- Software
- Common Use Cases
- OS and Component Update
 - Using DGX Dashboard
- System Recovery

Web Version: [DGX Spark User Guide — DGX Spark User Guide](#)

PDF Version: <https://docs.nvidia.com/dgx/dgx-spark/dgx-spark.pdf>

DGX Spark: Instruction Manual

A system tray utility that connects your computer to your DGX Spark over the local network. It gives you a single interface to manage SSH access and launch development tools on your DGX Spark.

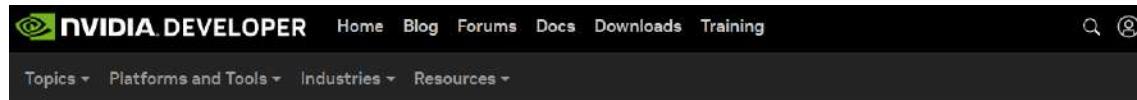
- Connect to DGX Spark systems from your laptop or desktop
- Launch DGX Spark dashboard remotely to check system status
- Connects most popular IDEs to DGX spark to speed development (Cursor/VS Code/AI Workbench)
- Available as free download

Download Link: [https://build.nvidia.com/spark/conn
ect-to-your-spark/sync](https://build.nvidia.com/spark/connect-to-your-spark/sync)

NVIDIA Sync



Get Started With NVIDIA DGX™ Spark



Home / Topics / AI / DGX Spark

On this page

Introduction

Software

Documentation

Get Started With NVIDIA DGX™ Spark

NVIDIA DGX™ Spark enables developers to harness the power of AI at their desk. To get started, developers can access detailed documentation, participate in community discussions, and explore real-world use cases for inspiration.

 Feedback

Forum

Playbooks

[DGX Spark for AI Developers - Get Started | NVIDIA Developer](#)

Software Support Resources

Start AI Developer Journey

Developers can go to:

- Find instructions and examples to customize and run AI workloads on DGX Spark.
- Learn about the latest AI tools such as Comfy UI, Ollama or set up a Visual Studio coding environment directly on their DGX Spark.

Playbooks, detailed instructions to setup and run popular workflows, and cover a wide range of topics such as how to fine tune using Llama Factory or build a specialized vision-language model for analyzing X-rays, all of these tools are designed to help to start AI development with DGX Spark.

Portal Access: <http://build.nvidia.com/spark>

The screenshot shows the 'Start Building on DGX Spark' page of the NVIDIA developer portal. The top navigation bar includes 'Explore', 'Models', 'Blueprints', 'GPUs', 'Docs 1.0', and a search bar. The main content area is titled 'Start Building on DGX Spark' with the sub-instruction 'Find instructions and examples to customize and run AI workloads on DGX Spark'. On the left, a section titled 'Connecting Remotely?' shows a screenshot of the NVIDIA Sync interface and a video of a person using a laptop. Below this is a 'Set Up Remote Access to your DGX Spark' section with a 'Configure Now' button. On the right, a 'First Time Here?' section lists four quickstarts: 'Comfy UI' (45 min), 'DGX Dashboard' (45 min), 'Open WebUI with Ollama' (20 min), and 'VS Code' (5 min). At the bottom, there are sections for 'Explore Playbooks' with cards for 'Optimized JAX' (2 hours), 'Build and Deploy a Multi-Agent Chatbot' (30 min), 'NVFP4 Quantization' (1 hour), 'AI Workbench' (30 min), and 'TRT LLM' (1 hour).

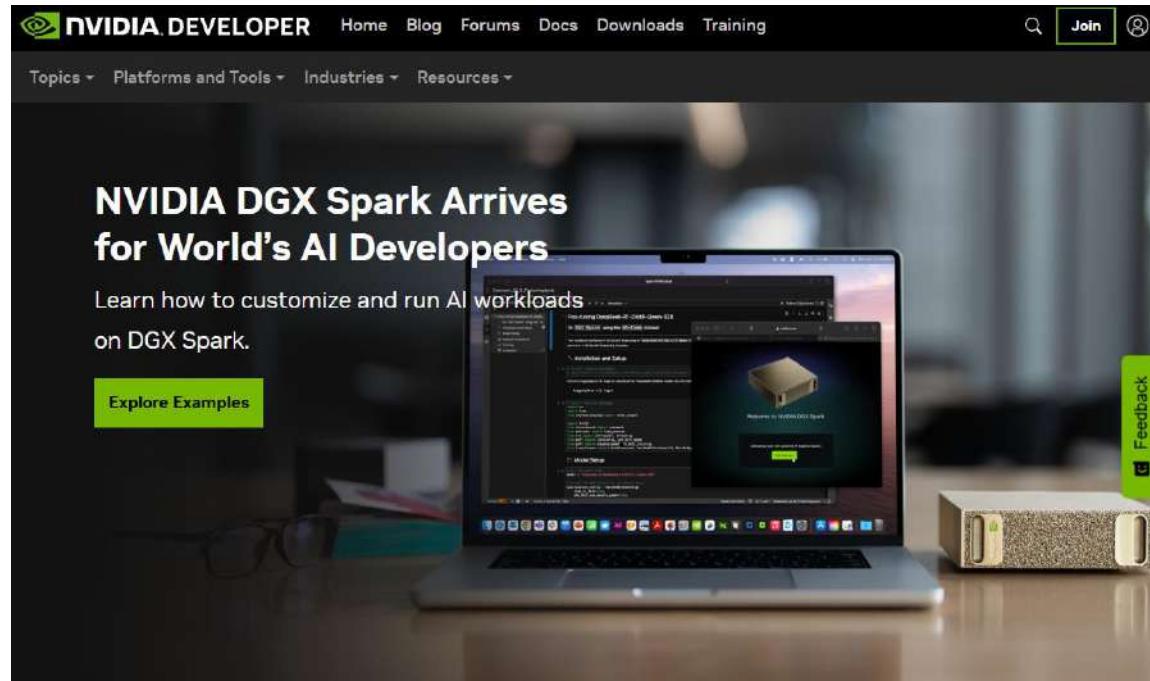
Software Support Resources

Users can join:

The [NVIDIA Developer Program](#) and get access to extensive software support, documentation, and the developer community for rich community-based support.

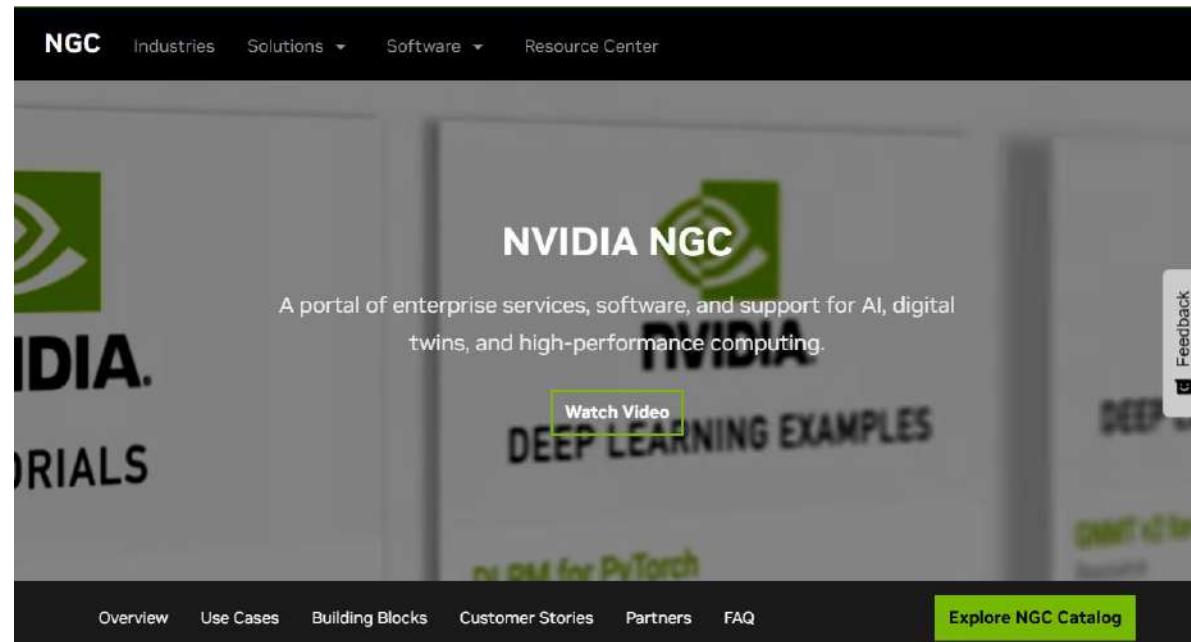
[Learn New Technical Skills | NVIDIA Developer](#)

NVIDIA Developer Program



Software Support Resources

NVIDIA NGC



The screenshot shows the NVIDIA NGC website. At the top, there is a navigation bar with the NGC logo, followed by links for Industries, Solutions, Software, and Resource Center. The main content area features a large image of a computer monitor displaying the NVIDIA NGC interface, which includes the NVIDIA logo, the text "NVIDIA NGC", and "A portal of enterprise services, software, and support for AI, digital twins, and high-performance computing". Below this, there is a "Watch Video" button and a "DEEP LEARNING EXAMPLES" section. At the bottom of the page, there is a navigation bar with links for Overview, Use Cases, Building Blocks, Customer Stories, Partners, and FAQ, and a prominent green "Explore NGC Catalog" button.

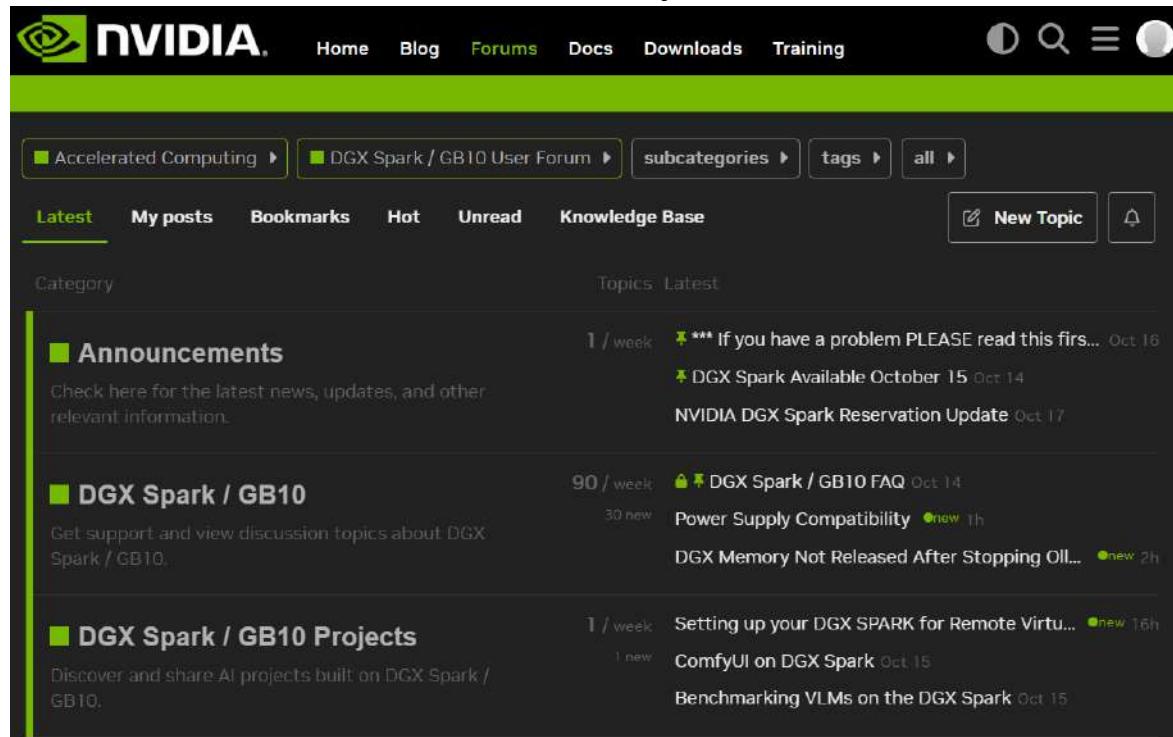
Users can register:

Free of charge to NVIDIA NGC™ to get access to additional SDKs, toolkits, trained models, workflows, and much more.

[NVIDIA NGC | NVIDIA](#)

Other Support Resources

NVIDIA Developer Forum



The screenshot shows the NVIDIA Developer Forum homepage. At the top, there is a navigation bar with links for Home, Blog, Forums (highlighted in green), Docs, Downloads, and Training. To the right of the navigation are search and filter icons. Below the navigation is a breadcrumb menu with links for Accelerated Computing, DGX Spark / GB10 User Forum, subcategories, tags, and all. The main content area has tabs for Latest, My posts, Bookmarks, Hot, Unread, and Knowledge Base. On the right, there are buttons for New Topic and a notification bell. The page is divided into sections: **Announcements** (with a note to read the first post if there's a problem), **DGX Spark / GB10** (with a note about power supply compatibility), and **DGX Spark / GB10 Projects** (with a note about ComfyUI). Each section lists recent topics and their activity levels (e.g., 1 / week, 90 / week, 30 new, 1 new). Below these sections, a link leads to the latest topics in the Accelerated Computing/DGX Spark / GB10 User Forum.

[Latest Accelerated Computing/DGX Spark / GB10 User Forum topics - NVIDIA Developer Forums](#)

Other Support Resources

DGX Spark Support Portal



Support Consumer Support Enterprise Support

NVIDIA DGX Spark Support

Search knowledge base 

Top Support Links



User Forums

Connect with user communities to share knowledge, receive expert support, and find inspiration to build the next breakthrough in AI.

[Visit the Developer Forums >](#)



Online Orders

Receive assistance with your order, whether it's on the way or already in hand.

[Order Support >](#)

[Warranty Information \(NVIDIA Products only\) >](#)



Software Downloads

Access system software to either update your DGX Spark or restore back to system defaults.

[DGX Spark Software Downloads >](#)

[Expert Assistance for AI Infrastructure |](#)
[NVIDIA DGX Spark Support](#)

Learning & Training Resources

NVIDIA Deep Learning Institute

Hands-on training in AI and data science

Contents

- Self-paced online courses, instructor-led workshops, education programs and industry-recognized certifications to showcase expertise
- Agentic & Generative AI, Robotics, Data Science, Digital Twins, etc.

Spotlight Courses

- [AI for All: From Basics to GenAI Practice](#)
- [Accelerate Data Science Workflows with Zero Code Changes](#)
- [Introduction to NVIDIA NIM™ Microservices](#)

NVIDIA Deep Learning Institute

Get the skills you need to fast track your success.

What's New Benefits Partners Contact Us Stay Informed



Generative AI and LLM

Elevate your technical skills and earn NVIDIA certification in generative AI and large language models.

[Explore Learning Path >](#)



DGX Platform and Data Center

Empower your enterprise team with NVIDIA DGX™ administration training to quickly harness the full capabilities of NVIDIA's leading platform for AI development.

[Explore Learning Path >](#)



Universal Scene Description (OpenUSD)

Learn to harness the full potential of OpenUSD to accelerate your 3D workflow with these free courses.

[Explore Learning Path >](#)



Accelerated Data Science

Discover how to speed up your workflows using popular Python libraries and essential tools.

[Explore Learning Path >](#)



Robotics Fundamentals

Start your robotics journey with essential foundations in simulation, Robot Operating System (ROS), and robot learning.

[Explore Learning Path >](#)



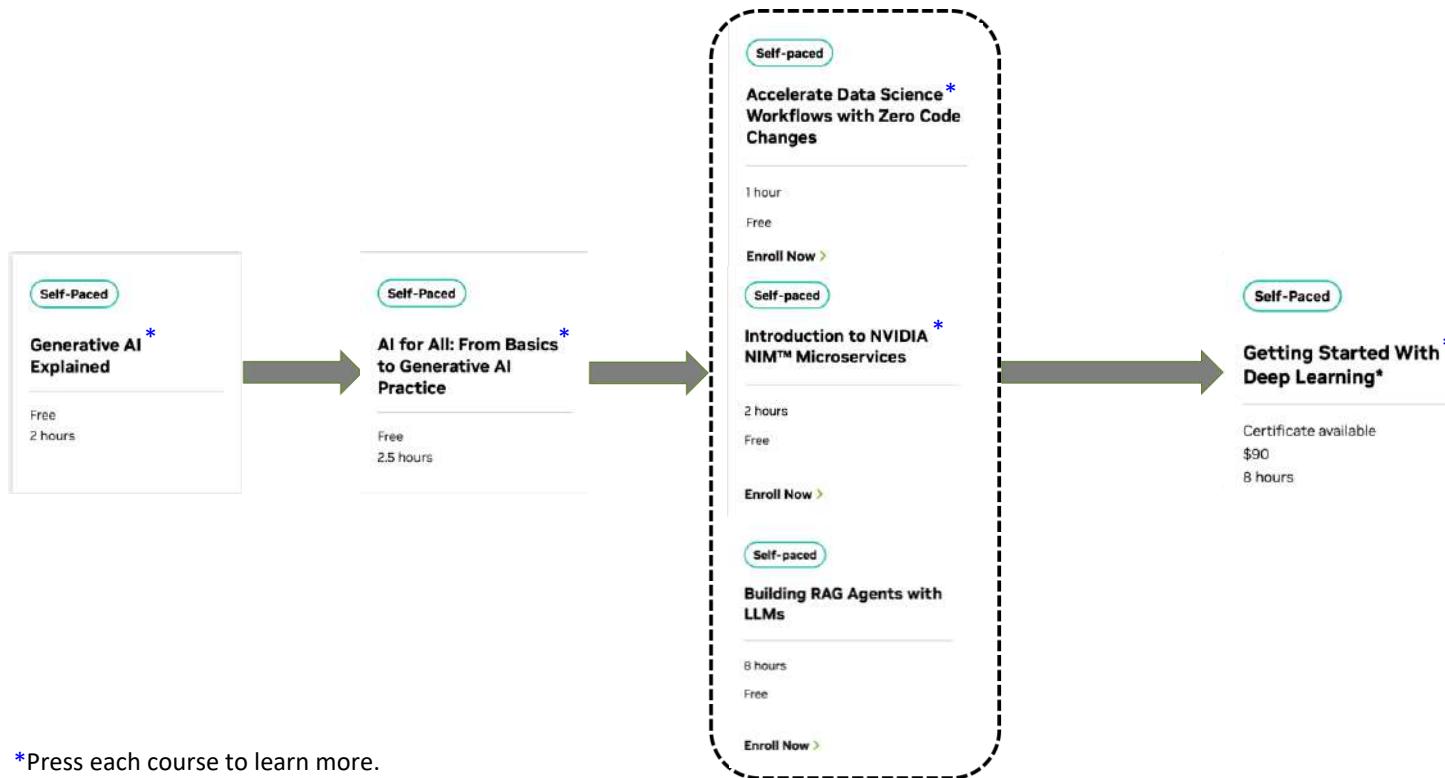
Industrial Digital Twins

Get started with essential foundations in developing OpenUSD-based digital twin applications and workflows for the era of physical AI.

[Explore Learning Path >](#)

Learning & Training Resources

NVIDIA DGX SPARK – Recommended Training Path





THANK YOU