KeyWin

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：
- 熱點 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。

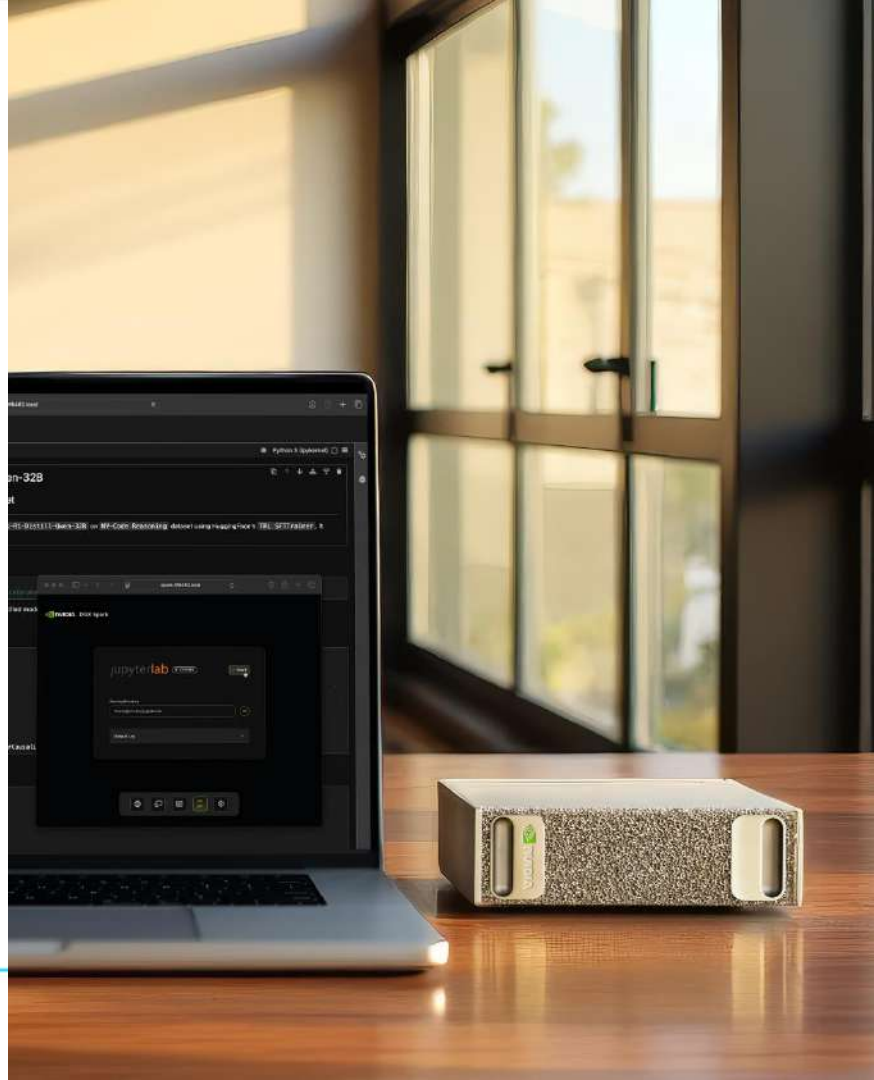
Guidebook for NVIDIA DGX Spark FE v1.1

Leadtek Research Inc., Nov. 12, 2025

NVIDIA DGX Spark

Designed to build and run AI

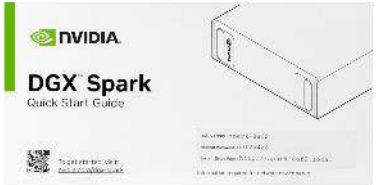
- Large local memory
- Support for NVIDIA AI software stack
- Compact, power efficient form factor
- Configure as standalone system or network connected compute resource



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

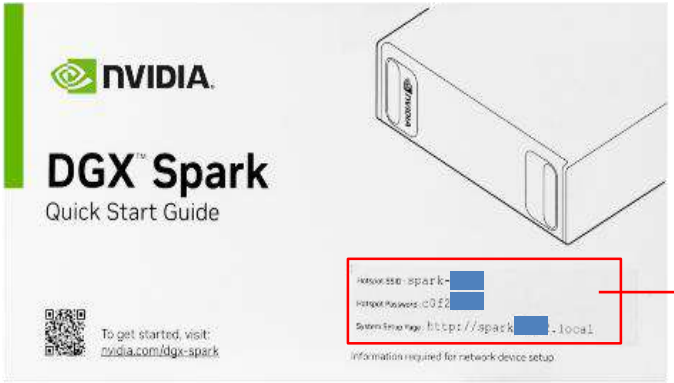
- Waring message for coin battery
- Serial number
- Part number

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:

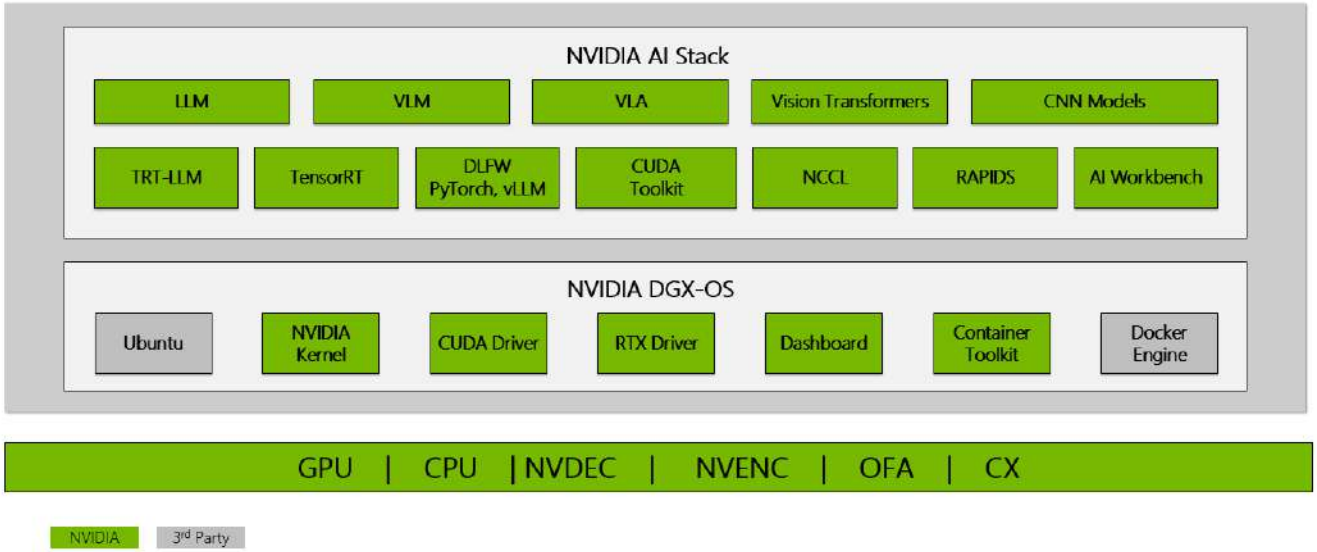
  - Model #, COO, serial number, part number and regulatory certs

(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



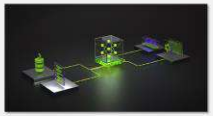
1. Not all components available at launch. Preinstalled software may be updated with the latest versions downloaded at 1st boot
2. Production deployment (DC and cloud) requires NVAIE license

DGX Spark: Full Developer Software Ecosystem and AI Software

Development SDKs, Frameworks, Workflows, Models, Tools


NVIDIA NIM

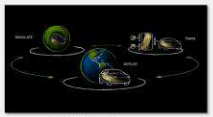

NVIDIA Blueprints


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

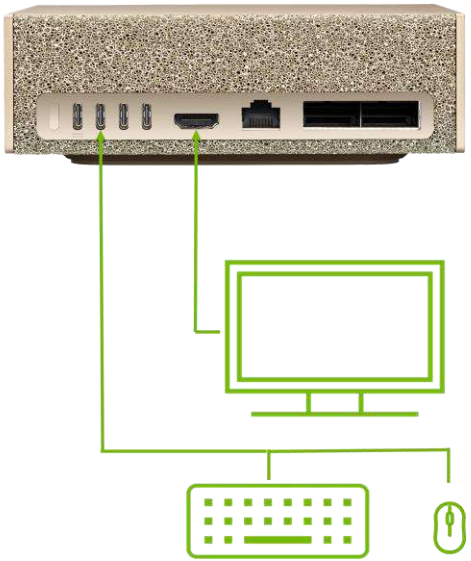
GPU | CPU | NVDEC | NVENC | OFA | CX

NVIDIA | 3rd Party

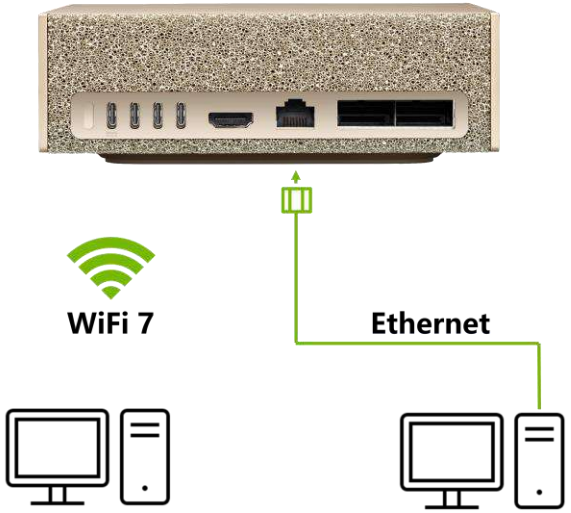
1. Not all components available at launch. Preinstalled software may be updated with the latest versions downloaded at 1st boot
2. Production deployment (DC and cloud) requires NVAIE license

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-zz/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

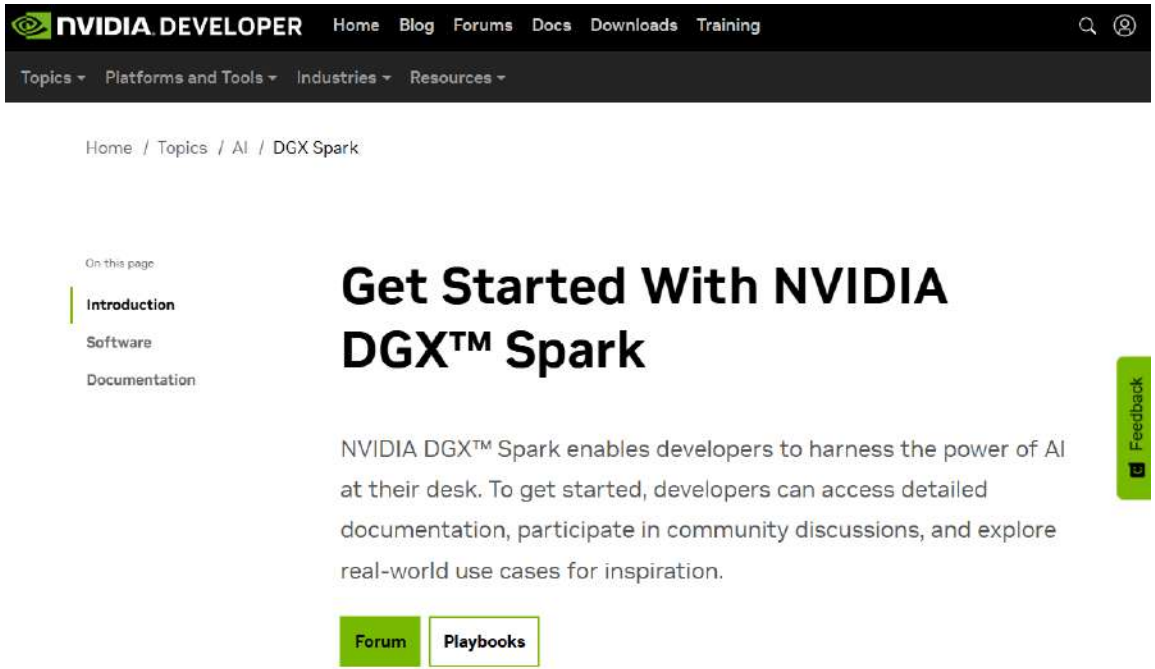
NVIDIA Sync

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/connect-to-your-spark/sync

Get Started With NVIDIA DGX™ Spark



DGX Spark for AI Developers - Get Started | NVIDIA Developer

Software Support Resources

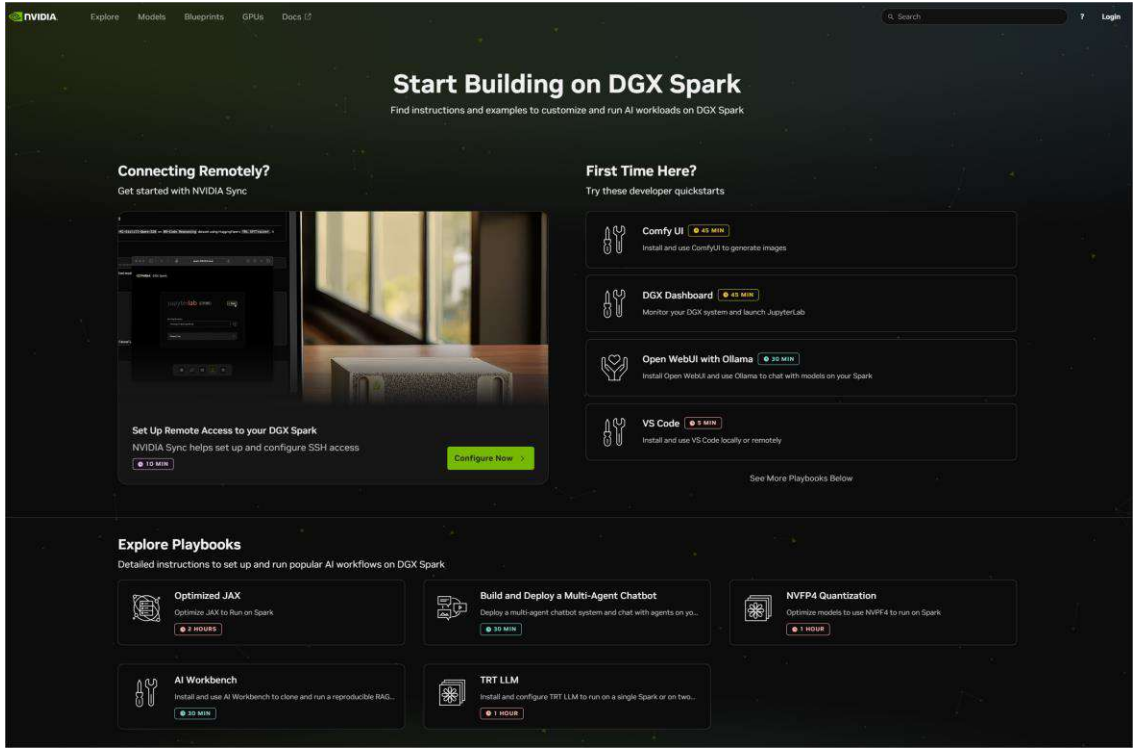
Developers can go to:

- 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

Start AI Developer Journey



Software Support Resources

NVIDIA Developer Program

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

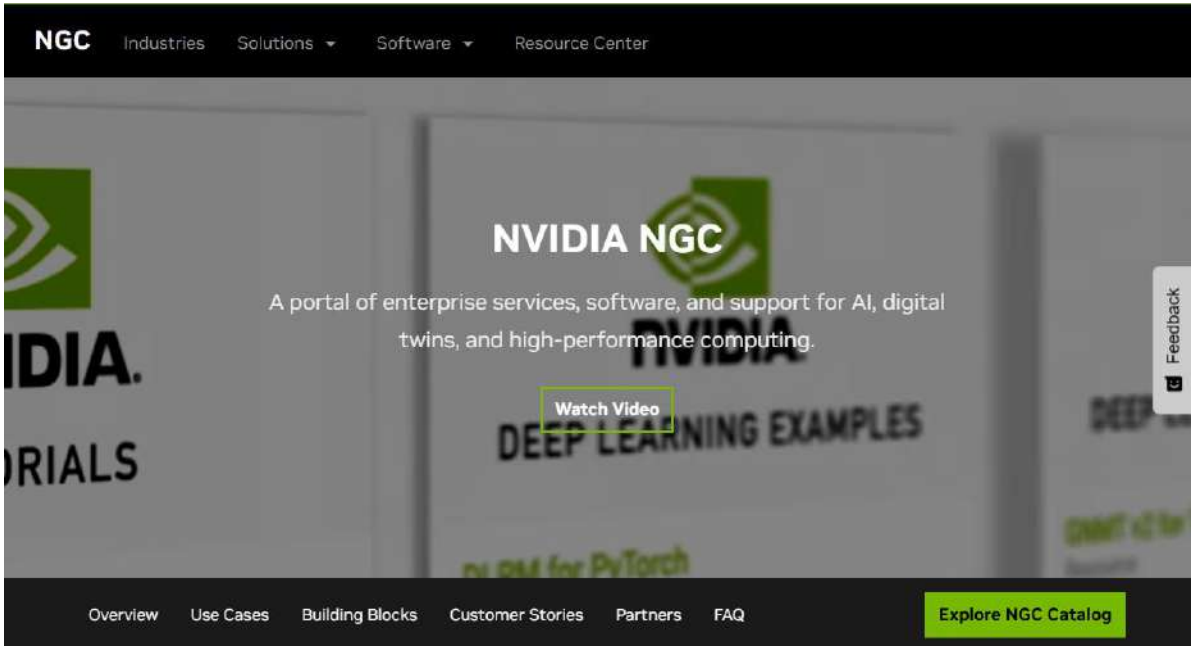
Software Support Resources

Users can register:

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

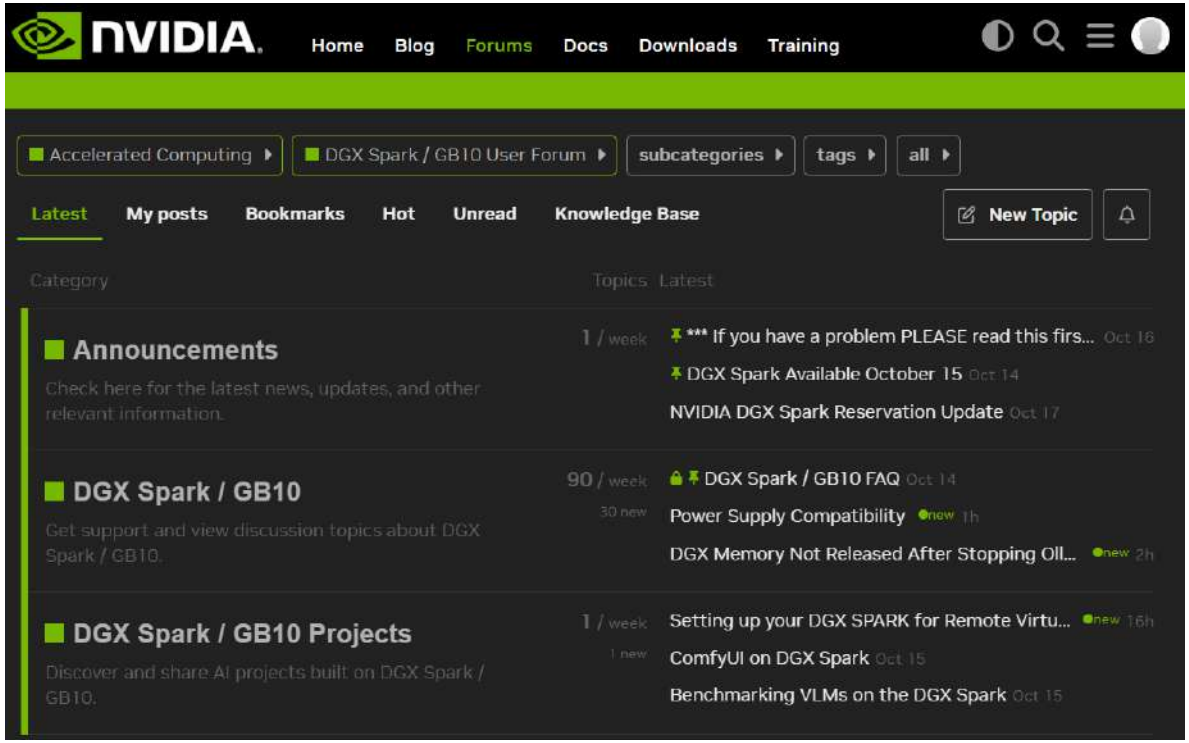
NVIDIA NGC | NVIDIA

NVIDIA NGC



Other Support Resources

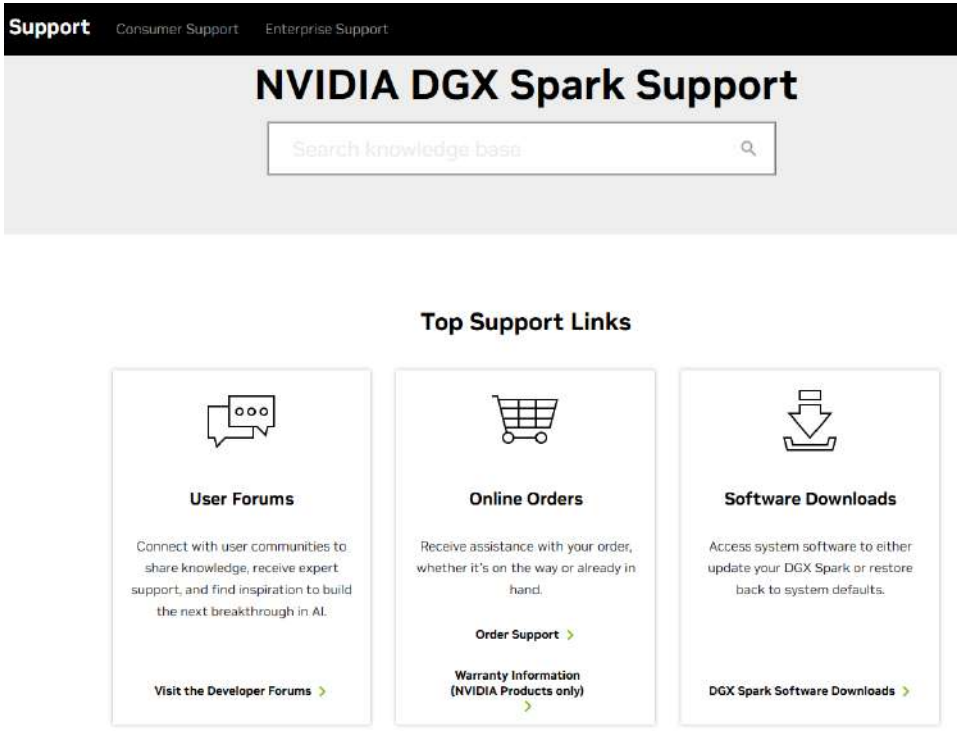
NVIDIA Developer Forum



Latest Accelerated Computing/DGX Spark / GB10 User Forum topics - NVIDIA Developer Forums

Other Support Resources

DGX Spark Support Portal



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

Learning & Training Resources

NVIDIA Deep Learning Institute

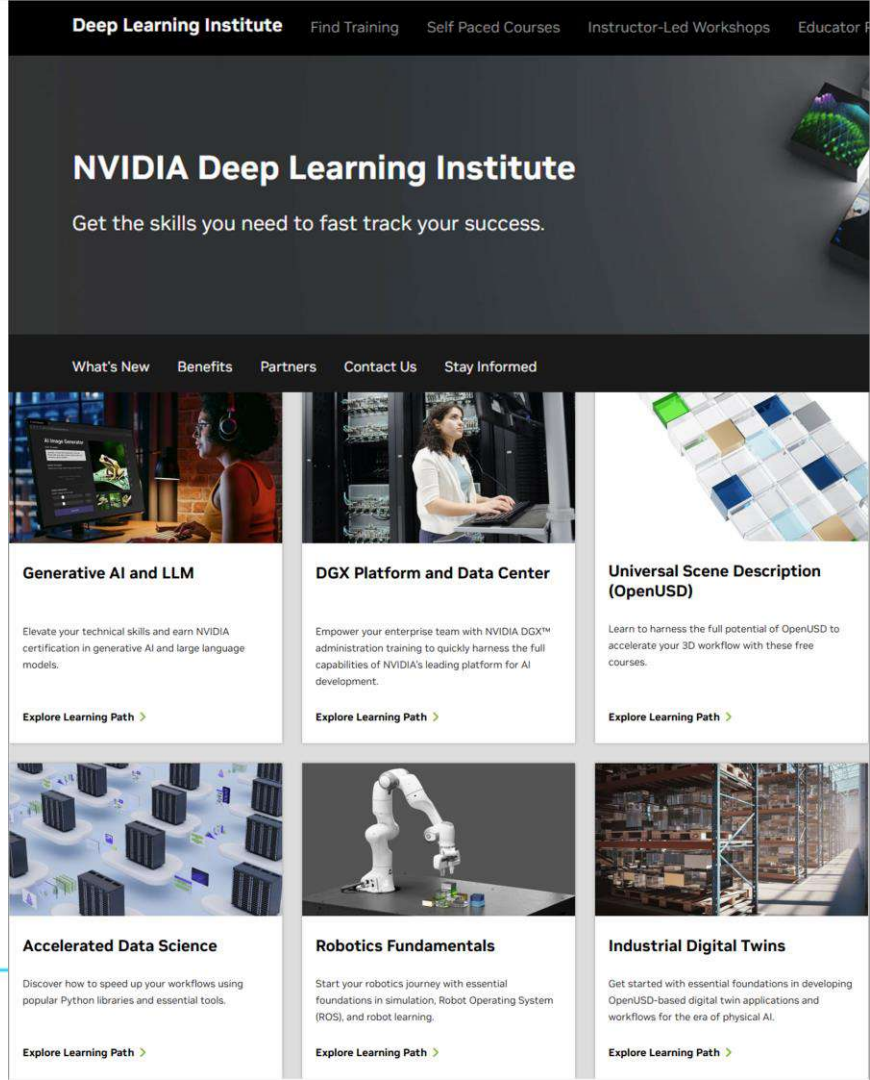
Hands-on training in AI and data science

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.

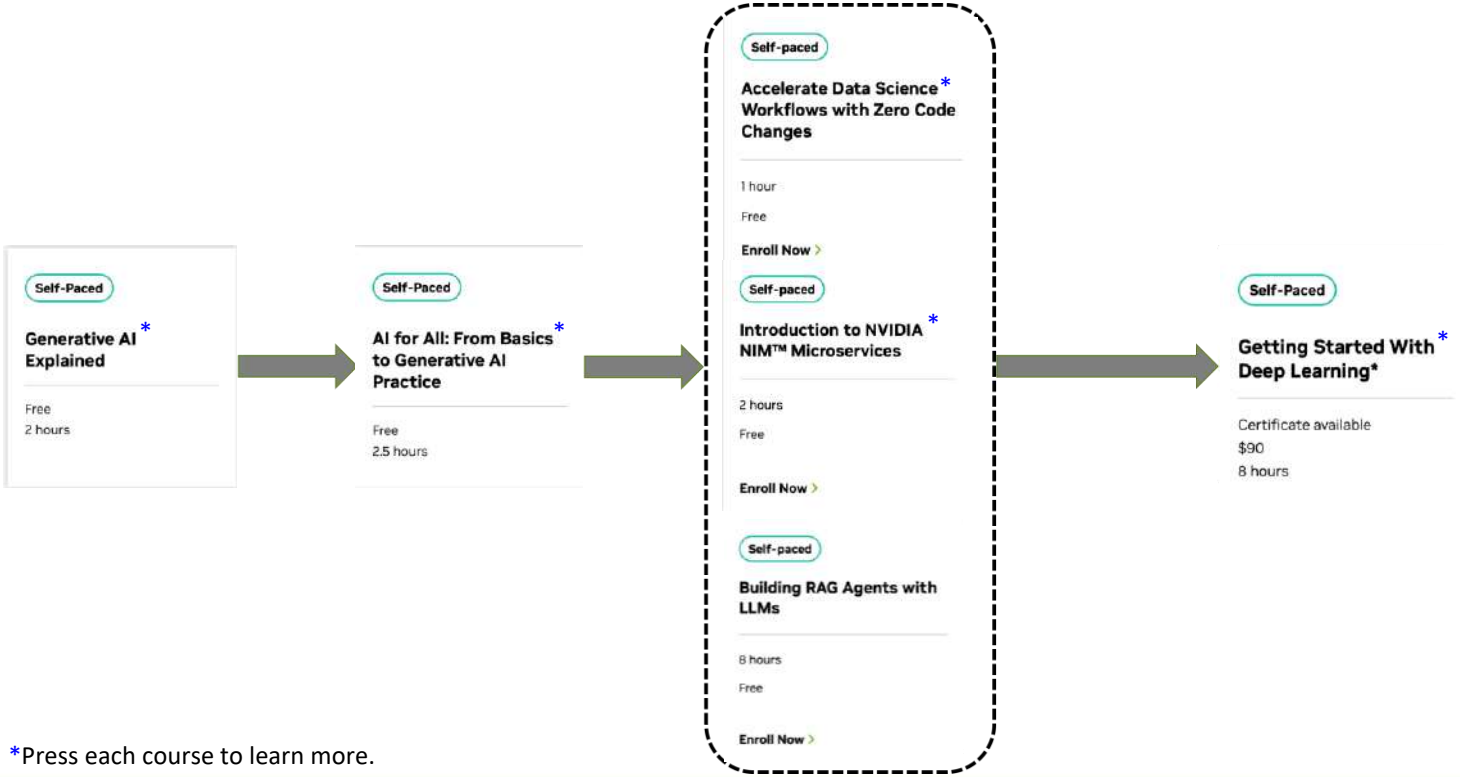
Spotlight Courses

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



Learning & Training Resources

NVIDIA DGX SPARK – Recommended Training Path



*Press each course to learn more.

THANK YOU