



QNAP & AI



QuAI

Artificial
IntelligenceContainer
Station

Reasoning

QNAP's AI Developer Package



Ride the AI wave with QuAI

QuAI is QNAP's AI Developer Package and is intended for data scientists and developers to quickly build, train, and optimize their AI Models on a QNAP NAS.

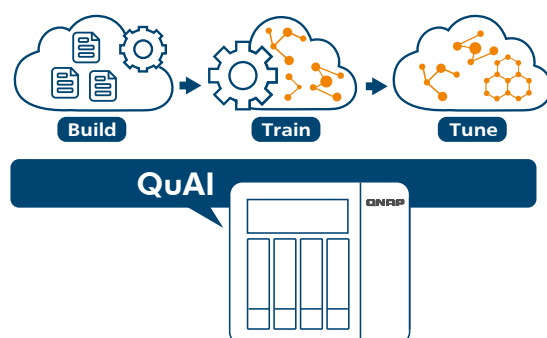
The AI era is here

AI-based applications and services such as Apple Siri, Amazon Echo, Microsoft Cortana, Chatbots, Pepper robot, AWS DeepLens, and IBM Watson continue to gain traction in the market, and this is just the tip of the iceberg. Within the coming years, the continued evolution of AI is posed to revolutionize every aspect of our lives and economic sectors, including software, finance, healthcare, transportation and more.

Within this revolution, the demand for AI computing environments and frameworks is significantly high. QNAP now provides a groundbreaking AI computing platform based on QNAP NAS called QuAI (pronounced as Q A I) - QNAP's AI Developer Package.

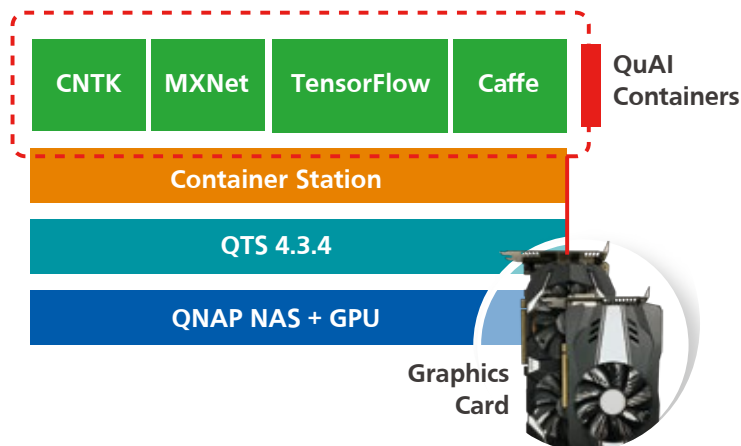
Build, train, optimize and deploy AI models

QuAI enables data scientists and developers to quickly build, train, optimize, and deploy machine-learning models with high-performance machine learning algorithms, with a wide range of supported AI frameworks on top of QNAP's robust NAS.



QuAI Containers

QuAI is a set of AI frameworks launched in Container Station (QNAP's lightweight virtualization solution). These AI frameworks can benefit from GPU pass-through technology to build and train AI models with accelerated computing performance.



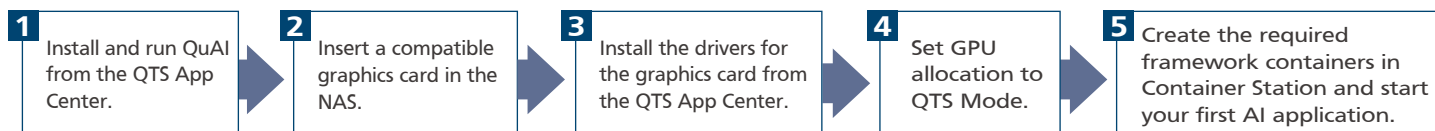
Supports popular deep learning frameworks

QuAI supports leading deep learning frameworks such as MXNet, TensorFlow, Caffe, Caffe2, Microsoft CNTK, CUDA. All these frameworks are available as container images in QNAP's Container Station.



Quickly get started with QuAI

QuAI reduces the time needed to set an up AI environment from hours to minutes.



Relatively Less TCO

- Reduced TCO compared with using workstations.
- Unlike cloud platforms, comes with a one-time cost.
- Overall higher cost efficiency.

Fast and Easy Setup

- Quickly set up entire AI environments by using installation wizards.
- Reduce set up time from hours on workstations to a few minutes on QNAP NAS.

Large Storage Potential

- QNAP NAS is designed to handle TBs to PBs of storage capacity.
- Leverage QNAP's powerful Storage & Snapshots Manager to manage huge volumes of data.

High IOPS with SSD caching

- Accelerate the performance of IOPS-intensive AI applications with SSD caching.

Well-rounded security

- Data/models are securely stored within your private network.
- Best suited for research projects where confidentiality is paramount.

App-driven ecosystem

- Provides diverse types of training data from QNAP NAS apps (including multimedia, IoT telemetry data, and more) to train AI models.

System Requirements

Supported Models :

TS-x77 Series

QTS: QTS 4.3.4 (and later)

Supported Graphics Cards

Brand	Supported Graphics Cards
ASUS	PH-GTX1050-2G
ASUS	PH-GTX1050TI-4G
ASUS	PH-GTX1060-3G
ASUS	DUAL-GTX1050-O2G-GAMING
GIGABYTE	GV-N1050TD5-4GD
MSI	GTX1060 AERO ITX 3G OC
EVGA	GTX1050 2G SC
EVGA	GTX1050TI 4G SC GAMING

Brand	Supported Graphics Cards
EVGA	GTX1060 6G SC GAMING
GIGABYTE	GV-N1070IXOC-8GD
NVIDIA	Quadro P2000 5G
NVIDIA	Quadro M2000
MSI	GTX1050 TI 4GT LP
NVIDIA	Quadro P4000
MSI	GTX1060 6GT OCV1

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