Press Release

AI inside

AI inside Cube Pro, the Highest-Performance in the Series, is Now Available by Subscription

Achieves in-house AI training and inference in one edge computing device

Tokyo, September 1, 2021 -- AI inside Inc, a provider of an AI platform, announces the AI inside Cube Pro, the highest performance in the AI inside Cube series of the edge computing device, is now available by subscription.

The "AI inside Cube Pro" is a high-specification machine equipped with a high-performance GPU. It is small enough to be placed on a desk side, allowing users to train and infer AI in their environment. By using "AI inside Cube Pro," an infrastructure that supports AI training and inference, and "Learning Center," which helps anyone to create AI easily, at the same time, it has become possible to internalize AI development and operation for your work.

The edge AI computing market in Japan

The total addressable market of edge AI computing is forecasted to reach 56.45 billion yen by FY2025(*1), and it is estimated to expand in the future. With the progress of digital transformation and the use of AI, edge AI computing is gaining attention for its ability to enhance information security, process data in real-time, and optimize traffic and communication costs.

<u>Use case of edge AI</u>

In manufacturing, AI helps workers detect defective parts in visual inspection or monitor factory premises to ensure worker safety. In some cases, image data related to manufacturing processes are not allowed to upload on the cloud due to the high confidentiality. Edge AI can use those data on edge without the internet. Also, edge AI can support the AI use case to ensure worker safety when AI needs to detect and notify in real-time whether the workers put on PPE (Personal Protective Equipment) or not or if something is inadequate for the task.

*1 Fuji Chimera Research Institute, Inc. (published on August 21, 2020), "2020 Artificial Intelligence Business Survey - Comprehensive Analysis of AI (Artificial Intelligence) Related Businesses Aiming for Coexistence with Humans.

Background of the development and provision of "AI inside Cube Pro"

Generally, when users want to develop and implement AI for their own business, they outsource AI model development to AI vendors or development companies, and hand them over training data. This is mainly because training AI requires high-performance machines, and users do not have the equipment or technology to do so. In the structure of the AI industry in Japan, the general flow of AI development is for users to conduct proof-of-concept (PoC) experiments on AI models developed by AI vendors and development companies, and then use AI inference on the cloud or at the edge.

We aim to realize a society in which AI spreads to every corner. To reach this future, we released "AI inside Cube Pro" to achieve a new standard where everyone has an environment to train AI on their own.

By using the "AI inside Cube Pro" together with the "Learning Center," which enables anyone to build AI easily, we aim to realize the "in-house development and operation of field-driven AI" led by the actual users. Users can verify the results and perform additional training on their own, and can expect faster and more cost-effective AI implementation and utilization than before. In addition, the use of AI will be more widespread because even confidential data that is not allowed to be taken out of the company's network for information security reasons can be used as training data in the company.

About "AI inside Cube Pro"

"AI inside Cube Pro," the best in the "AI inside Cube" series, is a powerful machine equipped with a high-performance GPU, yet small enough to be placed on a desk side, allowing users to train and infer AI on their premises.

Product Specifications

External dimensions (H x W x D): 450 x 178 x 715 mm

Weight: approximate 25 kg

Storage: 2TB

Power supply voltage: 100 - 240V

Maximum power consumption: 1320W

Fee: Subscription (*2)

For more information about our products, pricing, and implementation period, please contact us.

Inquiry form: https://inside.ai/en/contact/

*2 Software usage fee is required separately.

About "AI inside Cube" series (https://inside.ai/en/service/ai-inside-cube-series/)

AI inside Cube is an edge computing device created to achieve any sort of AI operation through powerful GPU hardware and AI inside's proprietary AI management OS and software. Conventional on-premise operation requires a lot of time and money for implementation, including hardware selection, installation, construction, and experimentation. This reduces the workload and allows for speedy implementation. Also, by offering it on subscription basis, it enables simple budget planning and small-start AI implementation compared to conventional on-premise solutions.

Features

1. Speedy implementation and simple operability
   Starts simply with plug and play. Turn on the device, and use it on the day you receive it. Boasting simple operability that anyone can handle.
2. You alone handle the data
   The AI Inside Cube series is designed to let users control their own data and information. AI processing can be performed at any time without providing data to AI inside, while AI technology updates from AI inside are available with no special limitations.
3. Designed for optimal performance
   The seamless design of the AI inside Cube featuring no visible fasteners, integrated cooling device, and an airflow control system keep levels of heat and noise extremely low.

Product name	AI inside Cube Pro	AI inside Cube	AI inside Cube mini
External dimensions	**450×178×715mm**	**308×300×300mm**	**156×150×154mm**
Weight	**Approx. 25kg**	**Approx. 11 kg**	**Approx. 2.5 kg**
Storage	**2TB**	**1TB**	**512GB**
Processing performance*	**Please contact us for details.**	**Approx. 25,000 items/hour**	**Approx. 7,200 items/hour**

* Processing performance of the integrated model without Multi Form function.

About AI inside Inc.

With our mission, "to bring AI to every being in the world and contribute to a richer future society", AI inside aims to realize a society in which AI has spread to every corner of people's life. We provide a platform for anyone to utilize AI easily through our services: Workflows for using AI and applications including our DX Suite, Learning Center for everyone to build high precision AI without code, and AI inside Cube for running various AI.

Company Name: AI inside Inc. （https://inside.ai/en/）
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Representative: Representative Director, President and CEO Taku Toguchi
Founded: August 2015
Business details: Development and provision of artificial intelligence and related information services

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