"CAS leading post-pandemic AI"
AICAS 2022
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AICAS 2022 Exhibition Introduction

Please send the company introduction or description of exhibition to AICAS 2022 secretariat. If you don't have any materials, please fill out this 'Exhibition Introduction'. the company introduction and exhibition introduction will be uploaded with company CI on the online exhibition page on the website. We recommend a **pdf file format** for materials. Thank you for cooperation.

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Exhibit item	ArtBrain-K (AI Server System)

Introduction

※ **Please fill out the exhibition or introduction of the company in English.**

ArtBrain-K, an artificial intelligence server system developed by ETRI, will be exhibited.

We developed ArtBrain-K, an artificial intelligence server system with a performance of 5 PetaFLOPS per rack that can have a small form factor with low power, 2400W based on a proprietary artificial intelligence processor with 40 TeraFLOPS performance, and 15W power consumption. It consists of 8 artificial intelligence compute nodes with a performance of 590 TeraFLOPS and 300W power consumption which loaded with 20 ABrain-S NPU boards based on the artificial intelligence processor. Also, we developed AIWareRT, a software development environment for independent artificial intelligence processor.