



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.

Company Name	OPENEDGES Technology, Inc.
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Exhibit item	NPU IP

Introduction

OPENEDGES Technology, Inc. (OPENEDGES) is the world's only total memory system and AI IP platform provider, delivering NPU, DDR memory controller, DDR PHY, and on-chip interconnect IPs as a single vendor. Established in 2017, OPENEDGES has earned a reputation for providing IP with the highest level of efficiencies in power consumption, area, and DRAM optimization. OPENEDGES' integrated IP solutions are market and silicon-proven, featuring advanced architectures and proprietary technologies that enable customers to shorten their design and verification processes.

The two key technologies of OPENEDGES are memory systems and AI Computing, which together, provide a sorely needed boost in performance, efficiency, and reliability for IoT.

- **ORBIT™:**
 - **DDR memory controller IP** supports LPDDR5x/5/4x/4/3, DDR4/3, GDDR6, HBM3
 - **DDR PHY** supports LPDDR5x/5/4x/4, GDDR6, HBM3
 - **NoC Bus Interconnect IP** Non-coherent NoC available
- **ENLIGHT™:**
 - **NPU IP** Mixed-precision (4-/8-bit) Computation

Artificial Intelligence Circuits and Systems 2022 (AICAS 2022) Secretariat

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