



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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| Company Name | NEOWINE Co.,Ltd. |
| Website | www.neowine.com |
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| E-mail | dexter@neowine.com |
| Exhibit item | AI IP & SW, ALPU-CV, DALPU4 |

Introduction

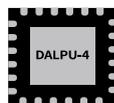
※ Please fill out the exhibition or introduction of the company in English.

Founded in 2002, Neowine Co., Ltd. is a Fabless company that designs and sells security semiconductors. The company has developed and supplied anti-replication semiconductors and data security/authentication semiconductors to the market for 20 years. AI IP and software platform for artificial intelligence semiconductors is under development. Currently, through 16 distributors in China, Taiwan and Japan, and 6 distributors in Korea, the company cumulatively sold 1.2 billion security chips to more than 2,000 enterprise customers.

Anti-replication semiconductor ALPU Series protects the system SW of electronic devices from illegal copy. The recently released ALPU-CV is an automotive-specific anti-copy semiconductor that has achieved AEC-Q100 Class 1 and is currently mounted in the ADAS products of 9 companies.

The IoT security semiconductor DALPU4 is equipped with PKI-based public key algorithms and can be applied for security/authentication of IoT, and, it is equipped with KCMVP module, which can be applied to security products of national public institutions such as military and government offices.

Based on AI standard model (ONNX), the company is developing AI semiconductor IP & S/W for real-time, low-power IoT devices and is also in the process of developing a SW framework for PIM (Processing in Memory) HW for high-speed parallel processing of AI applications. In addition, the development of homomorphic cryptographic IP and SoC that can compute personal information such as medical information in an encrypted state is also underway in parallel.



[ALPU-CV: ADAS SW Protection IC] [DALP4: IoT Security IC] [DALPU4M: Security Module] [AI IP & SW]

Artificial Intelligence Circuits and Systems 2022 (AICAS 2022) Secretariat

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