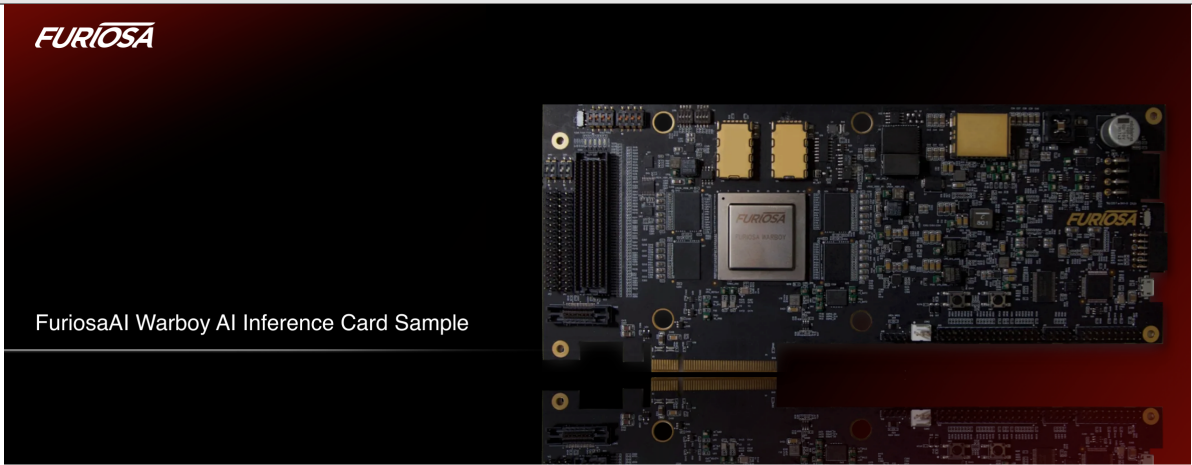# AICAS 2022 Exhibition Introduction

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	**FuriosaAI**
Website	**www.furiosa.ai**
Contact number	**+82 10-9530-8498**
E-mail	**contact@furiosa.ai**
Exhibit item	**"Warboy"(AI Inference Chip)**
Introduction	

FuriosaAI Warboy AI Inference Card Sample

Enhance Vision Intelligence with Efficient AI Computation

The FuriosaAI Warboy chip is dedicated to inferencing tasks. The chip has a peak performance of 64 TOPs with PCIe Gen4 8-lane interface and 4-channel LPDDR4 supporting up to 66 GB/s, and is manufactured on 14nm process node. Warboy employs a domain-specific design and a custom compiler specialized for inference processing of deep neural network models. The chip accelerates vision intelligence including super resolution, optical character recognition, traffic management, intelligent video analytics, industrial safety, metaverse, and autonomous driving. Almost all vision-related DNN models can be accelerated on FuriosaAI Warboy in a cost and energy efficient way.

Warboy Specification

Peak Performance	**64 TOPS (Int8)**
On-chip SRAM	**32 MB**
Host Interface	**PCIe Gen 4 x 8**
Form Factor [a]	**Single Slot 3/4-Length, Full-Height PCIe**
Max TDP	**40-75 Watt (Configurable)**
Thermal Solution	**Passive**
Operating Temperature	**0 to 55 °C**
Memory Type	**LPDDR4X**
Memory Size	**32 GB**
Peak Memory Bandwidth	**66 GB/sec**

a. Half-Length and Full-Height PCIe in mass production