

SUNIX AIEH1000 AI Inference Accelerator PCIe Card Owner's Manual

Home » SUNIX » SUNIX AIEH1000 AI Inference Accelerator PCIe Card Owner's Manual



Contents

- 1 SUNIX AIEH1000 AI Inference Accelerator PCIe Card
- 2 Features
- **3 IoT Products**
- 4 Add-on Cards
- **5 Extension Accessories**
- 6 Documents / Resources
 - **6.1 References**
- **7 Related Posts**



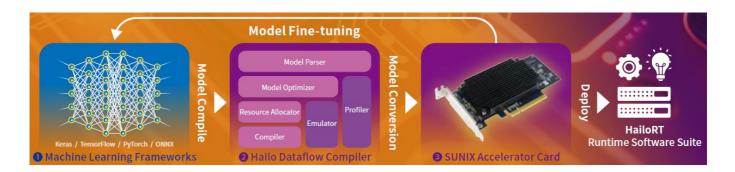
SUNIX AIEH1000 AI Inference Accelerator PCIe Card



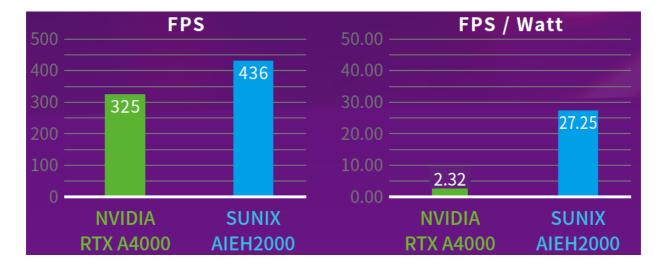
- Delivering 26-104 TOPS (Tera Operations Per Second)
- OS Support: Linux / Windows
- Al framworks: Tensorflow / Tensorflow Lite / Keras / Pytorch & ONNX
- Highest power-efficiency (FPS/Watt) compared with GPU solutions
- · Comprehensive software suite supported and model conversion service

SUNIX Advantages

- Model Compiling Service
- Model Conversion Service
- Model Fine-tune
- · Fast Deployment



Performance comparison (Yolov5m)



Application / Field



Product family

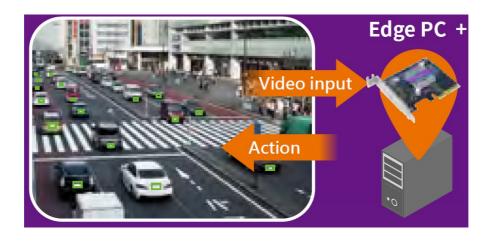


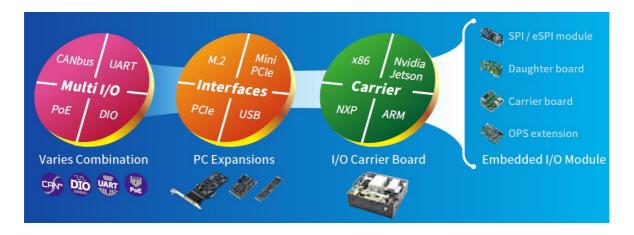
PCB AI AOI System



License Plate Al Recognition Edge PC + SUNIX Al Card

- · Vehicle type
- Driver's identity
- · Visiting schedule
- · Stay duration
- Weight detection
 - Whitelist & blacklist





SUNIX I/O Card Feature



SUNCAN Advantages



IoT Products

Gateway Ethernet IO Gateway



DevicePort I/O Remote IO (DIO/AI)



DevicePort Remote IO (RS-232/422/485)

Industrial







DPAS01D00 1-port RS-232 DPA301D00 1-port RS-232/422/485 (3-in-1)



DPAS02H00 2-port RS-232



DPAS04H00 DPAS08H00
4-port RS-232 8-port RS-232



Device Server



IDSD02DW0 RS-422/485

IDSX02DW0

RS-232

IDS302DW0 RS-232/422/485

IDS302DWS RS-232/422/485 w/ Surge & Isolation



IDSX04DW0 RS-232 IDSD04DW0 RS-422/485

IDS304DW0 RS-232/422/485

IDS304DWS RS-232/422/485 w/ Surge & Isolation



IDSX08DW0 RS-232

IDSD08DW0 RS-422/485

IDS308DW0 RS-232/422/485

IDS308DWS RS-232/422/485 w/ Surge & Isolation

ECS Application Kits







KPE1301 Smart Meter Monitoring



KEM1103 Environmental Monitoring



KEM1401 Machine Operation Rate



KEM1501 Intelligent Virtual Fence

Add-on Cards

WHQL Certification

SUNIX products have passed strict X86/X64 Microsoft WHQL certification, ensuring customers' full compatibility.

M.2 Card



PCI/104 Card



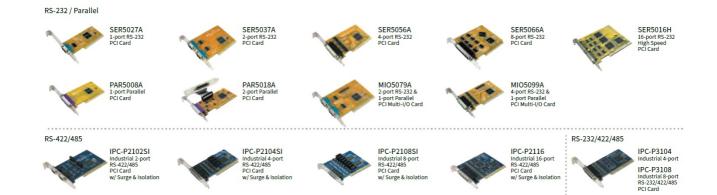
PCle Card



MiniPCle Card



PCI Card



Extension Accessories

USB Series



USB Type-C Adapter



Video Converter



2.5G Network PoE Series





OCuLink Series



OCUM4221 NEW
M.2 2280 M key PCle Gen4x4
to OCuLink 4i SFF-8612
Adapter

+

OCUE4241 NEW
OCuLink 4i SFF-8612
to PCIe Gen4x16 slot(4 lanes)
Extension Board

PCIe to M.2



P2M04M01 PCIe Gen3x4 to M.2 (Key-B+M) PCIe Card (Support PCIe #CLK_REQ)

M.2 Module Format: 2280 / 2260 / 2242 / 2230



P2M16M40 NEW PCle Gen4 to M.2 Key-M x4 PCle Card

M.2 Module Format: 2280 / 2260 / 2242

USB to I/O Adapter











TAIWAN

TAIPEI HEADQUARTERS

Tel: +886-2-8913-1987

R&D CENTER

Tel: + 886-2-8913-1987 Email: <u>info@sunix.com.tw</u>

CHINA

BEIJING

Tel: +86-10-65308421

SHENZHEN

Tel: + 86-0755-82339025 Email: info@sunix.com.cn

EUROPE

GERMANY

Tel: + 49 (0) 69-95209506 **Email**: <u>info@sunix-euro.de</u>



SUNIX was established in 1986. In 1995, we released the world's first RS-232 single-chip communication card; ever since, we have become the go to serial cards specialist, and number one world sales leader for serial cards. SUNIX's headquarter and R&D Center is located in Taiwan, and our factory in Kunshan, China. SUNIX is one of very few vertical integration suppliers with original chip design, software/hardware/firmware designs and supports, high quality products manufacturing, as well as global sales capabilities. For more than 30 years, SUNIX has specialized in the field of "Commercial communication". In this past year, we announced a revolutionary design for the IoT era, EAZInet, a true "Plug and Play"networking technology, which is able to provide the best intelligent transmission solutions for IoT applications. At SUNIX, we are striving for environmental protection and active participation in public welfare. Like our slogan "Plug Into A Brand-new World."

Documents / Resources



SUNIX AIEH1000 AI Inference Accelerator PCIe Card [pdf] Owner's Manual AIEH1000, AIEH2000, AIEH4000, AIEH1000 AI Inference Accelerator PCIe Card, AIEH1000, A I Inference Accelerator PCIe Card, Inference Accelerator PCIe Card, PC Ie Card, Card

References

- SUNIX Home
- User Manual

Manuals+, Privacy Policy

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.