



PRODUCT GUIDE

AI Accelerator Card

CAN FD Card

RS-232/422/485 · DIO Card

IoT Products

Extension Accessories



www.sunix.com

sunix®

The World's Best AI Accelerator Cards

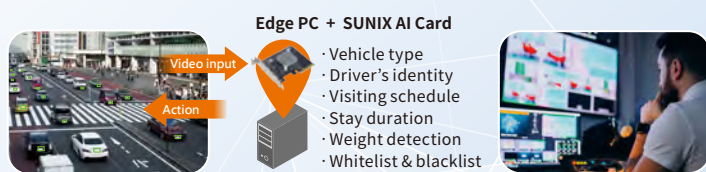
Optimize your video management system

Features:

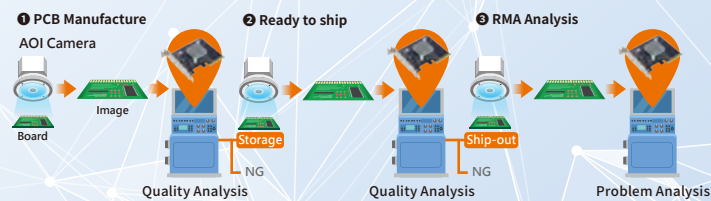
- ▶ AI frameworks: Tensorflow / Tensorflow Lite / Keras / Pytorch & ONNX
- ▶ Better Price-Performance Ratio & Power Efficiency vs Leading GPUs
- ▶ Simplified Software Integration, Seamless Integration Platform

Application Scenarios:

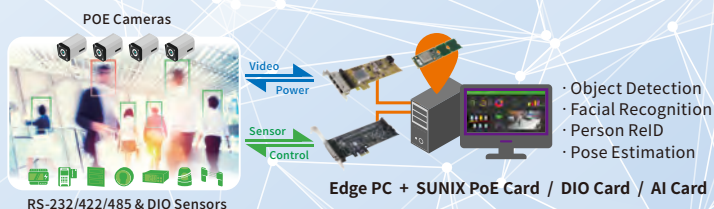
License Plate AI Recognition



PCB AI AOI System



Smart Retail Video Management

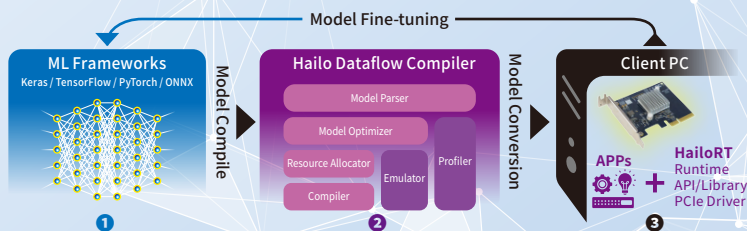


Application-Support:

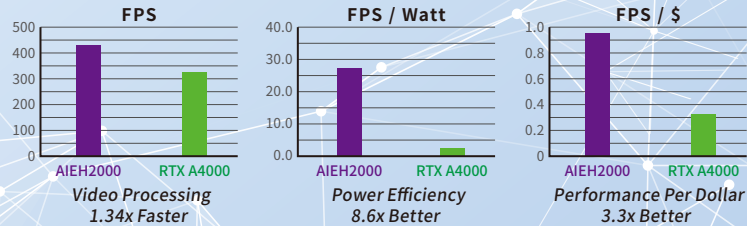
- ▶ Model Compiling / Conversion Service
- ▶ Model Fine-tune
- ▶ Fast Deployment

EMPOWERED BY
HAILO

Migration Workflow



Outperforming the Competitions(in Yolov5m)

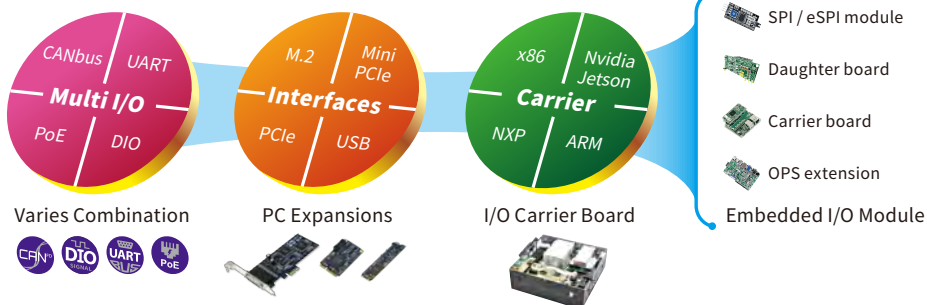


Product family

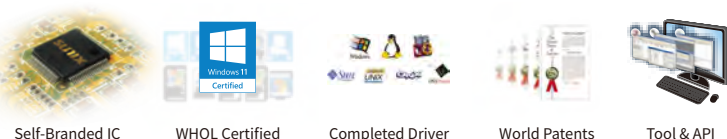


SUNIX ODM Service

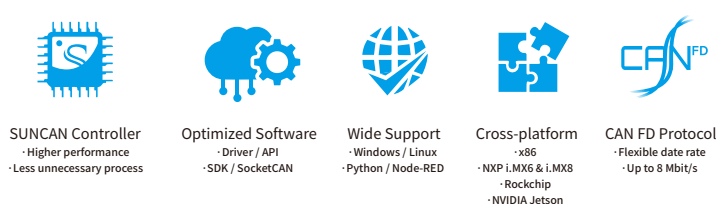
One-stop Solution Design Service for I/O Expansions



SUNIX I/O Card Feature



SUNCAN Advantages



IoT Products

Gateway Ethernet IO Gateway



EZG1300
MQTT Gateway

DevicePort I/O Remote IO (DIO/AI)



AI model	DIO model
EZR5231 4-port AI	EZR5002 2-port DI 4-port DO
	EZR5003 3-port DI 3-port DO
	EZR5004 4-port DI 2-port DO



Serial model	AI model	DIO model	Combo model
EZISNNN40 4-port COM	EZIAINN80 8-port AI	EZIDIDIFF 32-port DI	EZIAID8F 8-port AI 16-port DI
EZISNSN44 8-port COM		EZIDCNN80 8-port DI 8-port DO	EZIAIDC88 8-port AI 8-port DI 8-port DO
		EZIDIDOFF 16-port DI 16-port DO	

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

Industrial



DPA301HTP
1-port RS-232/422/485
(3-in-1)



DPAD02HTP
2-port RS-422/485



DPAS01D00
1-port RS-232

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



DPAS02H00
2-port RS-232



DPAS04H00
4-port RS-232



DPAS08H00
8-port RS-232

Device Server



2-port

IDSX02DW0
RS-232

IDS02DW0
RS-422/485

IDS302DW0
RS-232/422/485

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



4-port

IDSX04DW0
RS-232

IDS04DW0
RS-422/485

IDS304DW0
RS-232/422/485

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



8-port

IDSX08DW0
RS-232

IDS08DW0
RS-422/485

IDS308DW0
RS-232/422/485

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

Network PoE / Etherne Series



LAN4350PL
4-port 1G BASE-T
Network PoE
PCIe Card

Power Input options:
PCIe Bus power - 12V
8 pin GPU power - 12V



LAN1225PS
1-port 2.5G BASE-T
Network PoE
PCIe Card

Power Input options:
PCIe Bus power - 12V
SATA power - 12V



LAN2225P
2-port 2.5G BASE-T
Network PoE
PCIe Card

Power Input options:
PCIe Bus power - 12V
6 pin GPU power - 12V
External power - 12V~24V



M2L1225^{NEW}
2.5 GbE M.2 (Key-B+M) Module
to RJ45 I/O board

M.2 Module Format:
2280 / 2260 / 2242

Add-on Cards

WHQL Certification

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

M.2 Card

CAN FD NEW  CAN-M2102SI 2-port CAN FD Industrial M.2 Card w/ Surge & Isolation (Type-2280)	Digital I/O NEW  IPC-M4443I 4-Ch Digital In 4-Ch Digital Out Industrial M.2 Card w/ Isolation (Type-2280)	 IPC-M4884I 8-Ch Digital In 8-Ch Digital Out Industrial M.2 Card w/ Isolation (Type-2280)	RS-422/485  IPC-B2108 8-port RS-422/485 PCI/104 Card
RS-232  M2S6437M 2-port RS-232 M2S6456M 4-port RS-232 M.2 Card (Type-2242/2260/2280)	RS-422/485  IPC-M2202S Industrial 2-port IPC-M2204S Industrial 4-port RS-422/485 M.2 Card w/ Surge (Type-2280)	RS-232/422/485 NEW  IPC-M3202 Industrial 2-port RS-232/422/485 M.2 Card (Type-2280)	

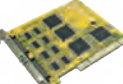
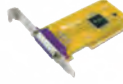
PCIe Card

RS-232 / Parallel  SER6427A 2-port RS-232 PCIe Card	 SER6437A 4-port RS-232 PCIe Card	 SER6456A 4-port RS-232 PCIe Card	 SER5466A 8-port RS-232 PCIe Card	 SER5416H 16-port RS-232 PCIe Card
 PAR6408A 1-port IEEE1284 Parallel PCIe Card	 PAR5418A 2-port IEEE1284 Parallel PCIe Card	 MIO6469A 1-port RS-232 & 1-port Parallel PCIe Multi-I/O Card	 MIO6479A 2-port RS-232 & 1-port Parallel PCIe Multi-I/O Card	 MIO5499A 4-port RS-232 & 1-port Parallel PCIe Multi-I/O Card
RS-422/485  IPC-E2202SI Industrial 2-port RS-422/485 PCIe Card w/ Surge & Isolation	 IPC-E2204SI Industrial 4-port RS-422/485 PCIe Card w/ Surge & Isolation	 IPC-E2108SI Industrial 8-port RS-422/485 PCIe Card w/ Surge & Isolation	RS-232/422/485 NEW  IPC-E3202S Industrial 2-port RS-232/422/485 PCIe Card w/ Surge	 IPC-E3204S Industrial 4-port IPC-E3308S Industrial 8-port RS-232/422/485 PCIe Card w/ Surge
CAN FD NEW  CAN-E2102SI 2-port CAN FD Industrial PCIe Card w/ Surge & Isolation	 CAN-E2104SI 2-port CAN FD Industrial PCIe Card w/ Surge & Isolation	Digital I/O  SDC0880I 8-Ch Digital In 8-Ch Digital Out SDC0FF0I 16-Ch Digital In 16-Ch Digital Out Industrial PCIe Card w/ Isolation	Serial + Digital I/O  SDC4880B 2-port internal RS-232/422/485 2-port external RS-232/422/485 8-Ch Digital In 8-Ch Digital Out Industrial PCIe Card w/ Surge & Isolation	

MiniPCIe Card

CAN FD NEW  CAN-C2102SI 2-port CAN FD Industrial MiniPCIe Card w/ Surge & Isolation	Digital I/O  IPC-C4443I 4-Ch Digital In 4-Ch Digital Out IPC-C4884I 8-Ch Digital In 8-Ch Digital Out Industrial MiniPCIe Card w/ Isolation	RS-422/485  IPC-C2202S 2-port RS-422/485 IPC-C2204S 4-port RS-422/485 Industrial MiniPCIe Card	RS-232  MCS6437A 2-port RS-232 MCS6456A 4-port RS-232 MiniPCIe Card	 MCS6456P 4-port RS-232 MiniPCIe Card w/ Power Output
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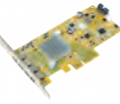
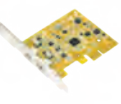
PCI Card

RS-232 / Parallel  SER5027A 1-port RS-232 PCI Card	 SER5037A 2-port RS-232 PCI Card	 SER5056A 4-port RS-232 PCI Card	 SER5066A 8-port RS-232 PCI Card	 SER5016H 16-port RS-232 High Speed PCI Card
 PAR5008A 1-port Parallel PCI Card	 PAR5018A 2-port Parallel PCI Card	 MIO5079A 2-port RS-232 & 1-port Parallel PCI Multi-I/O Card	 MIO5099A 4-port RS-232 & 1-port Parallel PCI Multi-I/O Card	
RS-422/485  IPC-P2102SI Industrial 2-port RS-422/485 PCI Card w/ Surge & Isolation	 IPC-P2104SI Industrial 4-port RS-422/485 PCI Card w/ Surge & Isolation	 IPC-P2108SI Industrial 8-port RS-422/485 PCI Card w/ Surge & Isolation	 IPC-P2116 Industrial 16-port RS-422/485 PCI Card w/ Surge & Isolation	RS-232/422/485  IPC-P3104 Industrial 4-port IPC-P3108 Industrial 8-port RS-232/422/485 PCI Card

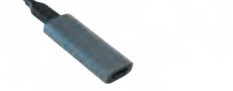
Extension Accessories



USB Series

USB4  UPB2430 USB4 40 Gbit/s PCIe Host Card w/ Type-C Receptacle Support DP1.4a	USB 3.2 Gen1  USB2302 USB 3.2 Gen1 2-port PCIe Host Card (USBIF TID 350000174)	 USB4300NS USB 3.2 Gen1 4-port PCIe Host Card (USBIF TID 350000211)	USB 3.2 Gen2(Alt-Mode)  UPA2015 USB 3.2 Gen2 10G & DisplayPort 1.4/1.2 PCIe Host Card w/ Dual Type-C Receptacle (Alt-Mode)	
USB 3.2 Gen2x2  USB2321C USB 3.2 Gen2x2 20G PCIe Host Card w/ Type-C Receptacle	USB 3.2 Gen2  USB2312A USB 3.2 Gen2 2-port PCIe Host Card w/ Type-A Receptacle	 USB2312C USB 3.2 Gen2 2-port PCIe Host Card w/ Type-C Receptacle	Powered USB  PUB1200X V2.0 1-port 24V & 2-port 12V Powered USB PCIe Host Card	 PUB0300XL 3-port 12V Powered USB PCIe Host Card

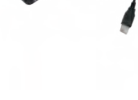
USB Type-C Adapter

 C2VC7C0 USB Type-C to VGA Adapter	 A2CZ0T0 USB 3.1 Gen2 10G USB Type-A to Type-C Active Dongle	 C2HF3C1 USB-C to HDMI 2.1 (8K@60Hz / 4K@144Hz) Active Adapter W/ Detachable USB-C PD Cable
 C2HF3C1P USB-C to HDMI 2.1 (8K@60Hz / 4K@144Hz) Active Adapter W/ Detachable USB-C PD Cable W/ PD Powered 60W USB-C Charging Port		

Video Converter

 D2H13MD DisplayPort to HDMI 2.0 4K@60Hz Active Dongle	 D2H13N0 DisplayPort to HDMI Dongle	 D2V17C0 DisplayPort to VGA Dongle	 H2V37C0 HDMI to VGA Dongle
 I2V67C0 DVI-D to VGA Adapter	 H2V97C0 HDMI to VGA Adapter	 H2V57C0 Micro HDMI to VGA Adapter	

USB to I/O Adapter

RS-232  UTS1009GC USB to 1-port RS-232 Adapter	 UTS2009GC USB to 2-port RS-232 Adapter	RS-422/485  UTS1109B USB to 1-port RS-422/485 Adapter	Powered COM  UTS4009C USB-C to 4-port Powered RS-232 Serial Hub	Printer Port  UTP1025B USB to Printer Adapter
 UTS1009DF USB to 1-port w/FTDI IC	 UTS4009PF USB to 4-port RS-232 Serial HUB	 UTS4109P USB to 4-port RS-422/485 ComHUB		 UTM1925C USB to RS-232 + Printer Adapter

PCIe to M.2

 P2M04M01 PCIe Gen3x4 to M.2 (Key-B+M) PCIe Card (Support PCIe #CLK_REQ)	 P2M16M40 PCIe Gen4 to M.2 Key-M x4 PCIe Card
M.2 Module Format: 2280 / 2260 / 2242 / 2230	

1394b/a Series

 FWB3400T 1394b external FireWire port x2 1394A sharing internal FireWire port x1 PCIe Host Card

OCuLink Kit

OCUEKIT1^{NEW} - OCuLink PCIe Kit(Low-Profile)		
	+	
OCUEKIT2^{NEW} - OCuLink PCIe Kit		
	+	
OCUMKIT1^{NEW} - OCuLink M.2 Kit		
	+	



CHINA

BEIJING

Tel : +86-10-65308421

SHENZHEN

Tel : +86-0755-82339025

Email : info@sunix.com.cn

TAIWAN

TAIPEI HEADQUARTERS

Tel : +886-2-8913-1987

R&D CENTER

Tel : +886-2-8913-1987

Email : info@sunix.com.tw

EUROPE

GERMANY

Tel : +49 (0) 69-95209506

Email : info@sunix-euro.de

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.**"