

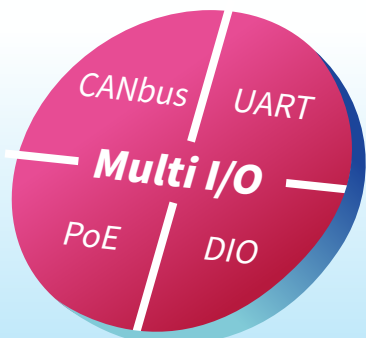
sunix



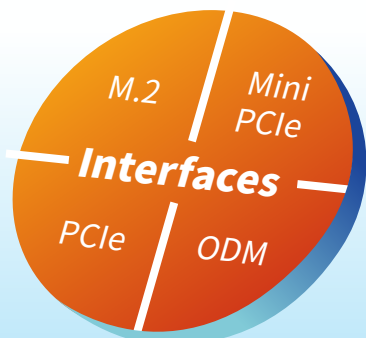
2023
PRODUCT
GUIDE

I/O Expansion for EV Computing

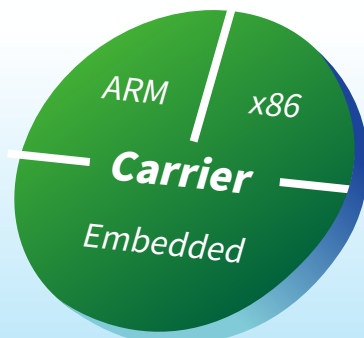
One-stop Solution Design Service



Varies combination



PC expansion



I/O carrier board

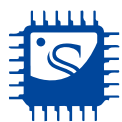


From chipset to solution, designed for application trends.

SUNCAN

Our Competence

Benchmark to leading industrial technology



SUNCAN Controller

- Higher performance
- Less unnecessary process



Driver / API Optimization

- SDK
- SocketCAN



Wide Support

- Windows/Linux
- Python
- Node RED



CAN FD

- Flexible data rate
- Up to 8 Mbit/s

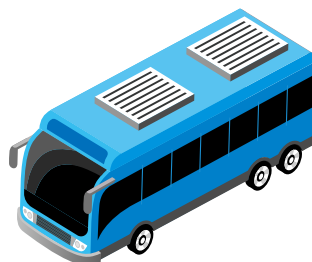


Cross-platform

- x86
- NXP i.MX6 & i.MX8
- Rockchip
- NVIDIA Jetson

Application Field

- EV charging pole
- AMR control
- EV bus fleet management
- UAV control
- In-Vehicle Infotainment System



CAN FD Series

- ▶ 2 port / 4 port high speed CAN channel
- ▶ Complies with CAN specifications 2.0 A/B and FD
- ▶ CAN FD bit rates for the data field (64 bytes max.) up to 8 Mbit/s
- ▶ Isolation on the each CAN channel up to 2.5KV (**PCIe only**)
- ▶ Surge protection up to 2KV (**PCIe only**)



CAN4F00SI
4-port CAN FD
PCIe Card
w/ Surge & Isolation



MCC2F00
2-port CAN FD
Mini PCIe Card



M2C2F00
2-port CAN FD
M.2 Card

IoT Products

Gateway Ethernet IO Gateway



EZG1200
Microsoft Azure 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

Industrial



Serial model

AI model

DIO model

Combo model

EZISNNN40
4-port COM

EZIAINN80
8-port AI

EZIDIDIFF
32-port DI

EZIAIDI8F
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



IDSX02DW0
RS-232

IDS02DW0
RS-422/485

IDS302DW0
RS-232/422/485

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

2-port



IDSX04DW0
RS-232

IDS04DW0
RS-422/485

IDS304DW0
RS-232/422/485

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

4-port



IDSX08DW0
RS-232

IDS08DW0
RS-422/485

IDS308DW0
RS-232/422/485

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

8-port

ECS Application Kits



KSF1001G
IoT Integrated Solution



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.

RS-232/422/485 **NEW**



IPC-M3202
Industrial 2-port
RS-232/422/485
M.2 Card
(Type-2280)

M.2 Card

CAN FD **NEW**



M2C2F00
2-port CAN FD
Industrial
M.2 Card
w/ 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-232 **NEW**



M2S6437A
2-port RS-232
M2S6456A
4-port RS-232
M.2 Card
(Type-2242)

RS-422/485 **NEW**



IPC-M2202S
Industrial 2-port
IPC-M2204S
Industrial 4-port
RS-422/485
M.2 Card
w/ Surge
(Type-2280)

PCIe Card

RS-232 / Parallel



SER6427A
1-port RS-232
PCIe Card



SER6437A
2-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**



CAN2F00SI
2-port CAN FD
Industrial PCIe Card
w/ Isolation



CAN4F00SI
4-port CAN FD
Industrial PCIe Card
w/ Isolation

Digital I/O **NEW**



SDC0880I
8-Ch Digital In
8-Ch Digital Out



SDCOFF0I
16-Ch Digital In
16-Ch Digital Out
Industrial PCIe Card
w/ Isolation

Serial + Digital I/O **NEW**



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**



MCC2F00
2-port CAN FD
Industrial
MiniPCIe Card



IPC-C4443I
4-Ch Digital In
4-Ch Digital Out
IPC-C4884I
8-Ch Digital In
8-Ch Digital Out
Industrial
MiniPCIe Card

RS-422/485 **NEW**



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

PCI Card

RS-232 / Parallel



SER5027A
1-port RS-232
PCI Card



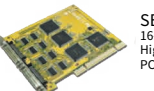
SER5037A
2-port RS-232
PCI Card



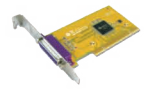
SER5056A
4-port RS-232
PCI Card



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

RS-232/422/485



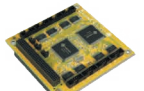
IPC-P2116
Industrial 16-port
RS-422/485
PCI Card
w/ Surge & Isolation



IPC-P3104
Industrial 4-port
IPC-P3108
Industrial 8-port
RS-232/422/485
PCI Card

PCI/104 Card

RS-232



SER5366A
8-port RS-232
PCI/104 Card

RS-422/485



IPC-B2108
8-port RS-422/485
PCI/104 Card

Extension Accessories



USB Series

USB4 **NEW**



OEM/ODM
USB4 40G
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 **NEW**
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 **NEW**
USB 3.2 Gen2x2 20G
PCIe Host Card
w/ Type-C Receptacle

USB 3.2 Gen2



USB2312A **NEW**
USB 3.2 Gen2 2-port
PCIe Host Card
w/ Type-A Receptacle



USB2312C **NEW**
USB 3.2 Gen2 2-port
PCIe Host Card
w/ Type-C Receptacle

Powered USB



PUB1200X
1-port 24V Powered USB
& 2-port 12V Powered USB
PCIe Host Card

USB Type-C Adapter



C2VC7C0
USB Type-C
to VGA Adapter

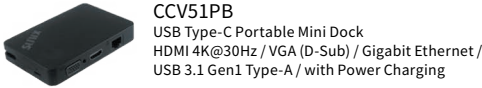


A2CZ0T0
USB 3.1 Gen2 10G
USB Type-A to Type-C
Active Dongle

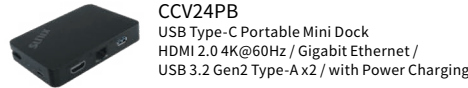


C2HF3C1 **NEW**
USB Type-C
to HDMI 2.1 8K@60Hz
Active Adapter
(W/ Detachable USB-C PD Cable)

USB Type-C Dock



CCV51PB
USB Type-C Portable Mini Dock
HDMI 4K@30Hz / VGA (D-Sub) / Gigabit Ethernet /
USB 3.1 Gen1 Type-A / with Power Charging



CCV24PB
USB Type-C Portable Mini Dock
HDMI 2.0 4K@60Hz / Gigabit Ethernet /
USB 3.2 Gen2 Type-A x2 / with Power Charging

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 **NEW**
DVI-D
to VGA Adapter

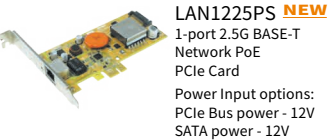


H2V97C0
HDMI
to VGA Adapter

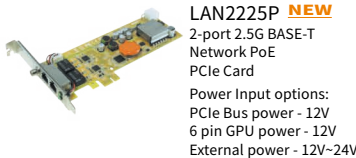


H2V57C0
Micro HDMI
to VGA Adapter

2.5G Network PoE Series

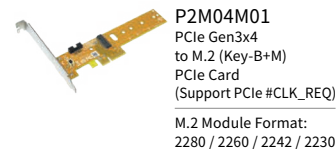


LAN1225PS **NEW**
1-port 2.5G BASE-T
Network PoE
PCIe Card
Power Input options:
PCIe Bus power - 12V
SATA power - 12V



LAN2225P **NEW**
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

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**
PCIe Gen4
to M.2 Key-M x4
PCIe Card
M.2 Module Format:
2280 / 2260 / 2242

USB to I/O Adapter



UTS1009GC
USB to 1-port
RS-232 Adapter
UTS1009DF
USB to 1-port w/FTDI IC
UTS2009GC **NEW**
USB to 2-port
RS-232 Adapter



UTS4009PF
USB to 4-port
RS-232 Serial HUB



UTS1109B
RS-422/485 Adapter



UTS4109P
USB to 4-port
RS-422/485 ComHUB

Powered COM **NEW**



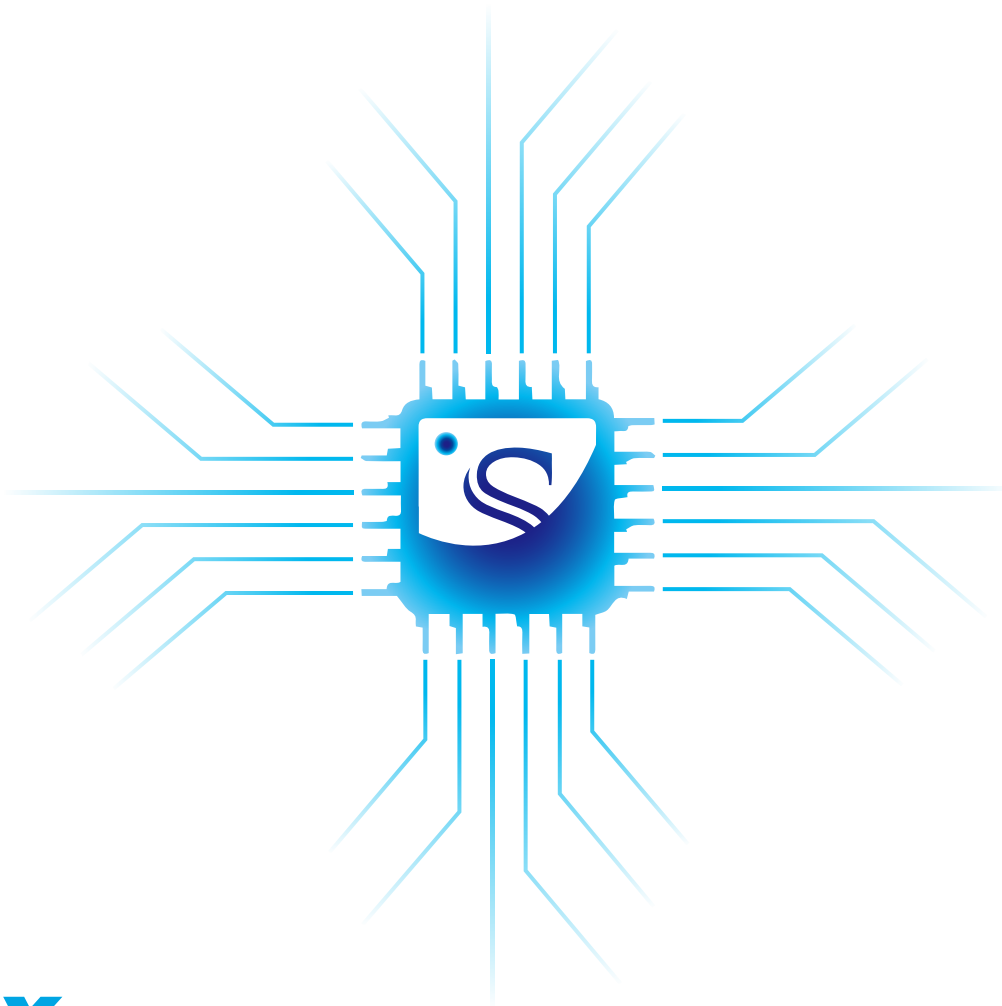
UTS4009C
USB-C to 4-port
Powered RS-232
Serial HUB

Printer Port



UTP1025B
USB to Printer
Adapter

UTM1925C **NEW**
USB to RS-232 + Printer
Adapter



SUNIX

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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.**"

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