



IT Product Guide

Plug into A Brand-new World

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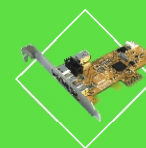
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PCI Express, Express Card

HDMI Switch, USB 2.0 VGA Graphics Adapter, HUB, CardBus, USB Adapter, USB 2.0 Card, 1394B/A Card, Combo Card, Serial-ATA, IDE, VGA, Golden I/O Card



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"PLUG INTO A BRAND-NEW WORLD"

In the world of Sunix, the artistic, the thoughtfulness, and the innovative development are blended in together. We strive for the technological products that contains the aspect of user friendliness, creativeness, and the perfect in technological.



Promising Technology

The "Golden Card" Legend

During a trade show in 1998, one customer walked into Sunix's booth, when he saw Sunix's product, he exclaimed, "After all these years, I have finally found you. You are the manufacturer of the Golden Card."

10 years ago, this customer bought Sunix's dual ports serial card from a local retail store. During the 10 years time, he had gone from a RD Engineer to become a president of a company, during all these times, this one piece of ISA Serial card also followed him from a heavily used environment in his RD career to now in his personal computer at his office. After 10 years of use plus many plug-in and plug-out from all different kind of systems, the card is still working like a charm.

During all these years he didn't know what brand of the card is, as well as the manufacturer behind it, all he knows is that the card has an unique bright yellow color to it just like gold. He had hoped that one day he will be able to find the maker of it, so that day at the show; he was very touched and filled with emotion, because this Golden Card just likes gold itself, which never loses its quality, had followed him in the last 10 years and helped him during his road to success.

Note: Sunix is using the high quality dye imported only from Japan. The dye gives the card a natural golden shine as well it has the unique quality in dissipating heat from the board effectively, thereby raising the reliability of the card.

ISO9001 & ISO14000 Certification



Sunix takes the lead to support Microsoft Vista™ platform

SUNIX, the global leading brand of computer expansion cards, has tested all the expansion cards from all possible aspects and certify that they are fully compatible with Microsoft Vista inclusively, thus enabling you to enjoy the rich experience of latest and strongest operating system.

Since 1986

Founded in 1986, Sunix has many years of experiences Specializing in the research and development in the technology of the interface controller cards. For many years, we have been marketing our controller cards in the European market under our own brand name. The technology and quality we built into each and every one of our controller cards has earned us the great name, "Golden Card".

Brand Spirit

Optimistic, A future fills with "HOPE". Sunix hopes that through the technology of interface, the users can have the pleasant experience of using our products, thereby creating a better world for them. Watching the world with an optimistic view, that's the Spirit of Hope which Sunix strives to achieve.

Brand Value

PLUG INTO A BRAND-NEW WORLD



SUNIX Headquarters

CONTENTS

■ New Products	3
■ USB 2.0 VGA Graphics Solution	4
■ HDMI Switch	6
■ Ultra Wild-Band Wireless USB 2.0 Adapter	7
■ Bluetooth to RS-232	7
■ USB 2.0 HUB	7
■ PCI Express	8
■ ExpressCard	10
■ CardBus	12
■ USB Adapter	14
■ PCI Card	
▶ USB 2.0	16
▶ Debug	16
▶ PCI to PCMCIA	16
▶ 1394A	18
▶ 1394B	18
▶ Combo	18
▶ Serial ATA	20
▶ IDE	20
▶ Golden I/O	22
■ Index	24

New Products

WUB4200



Wireless USB Adapter

- ▶ Ultra-Wide Band 4 ports USB2.0 High Speed Hub
- ▶ Transfers data at speeds of up to 480Mbps
- ▶ Certified Wireless USB 2.0 and USB IF
- ▶ Connects USB peripheral wirelessly from up to 30 ft. away

VGA2614



USB 2.0 VGA Graphics Adapter

- ▶ USB2.0 High Speed connectivity
- ▶ 22" LCD 1680 x 1050 resolution support
- ▶ High performance 2D Graphic Accelerator
- ▶ Low power consumption via USB Bus power
- ▶ Support desktop display primary, mirror and extend mode

SER1600A



16 ports RS-232 PCI Card

- ▶ 16-ports RS-232 in one single board
- ▶ Universal PCI compatible with 3.3 / 5V PCI and PCI-X
- ▶ Over 800Kbps data throughput, for top performance
- ▶ On board $\pm 15KV$ RSD protection

FWB3414G



3 ports 1394B PCIe Card

- ▶ World No.1 PCIe 1394A / B single chip solution
- ▶ PCI Express X1 2.5Gbps specification
- ▶ Provides 3 external and 1 internal FireWire 800 ports
- ▶ Data transfer rate of 100 / 200 / 400 / 800Mbps

ECS1400



1 port RS-232 ExpressCard/34

- ▶ Truly PCI Express single-lane (or x1) interface
- ▶ Compatible with ExpressCard 34 / 54mm slot
- ▶ Data transfer speed up to 921.6K, for top performance
- ▶ On board $\pm 15KV$ RSD protection

ECS2400



2 ports RS-232 ExpressCard/34

- ▶ Truly PCI Express single-lane (or x1) interface
- ▶ Compatible with ExpressCard 34 / 54mm slot
- ▶ Data transfer speed up to 921.6K
- ▶ On board $\pm 15KV$ RSD protection

ECP0010



1 port Parallel ExpressCard/34

- ▶ Truly PCI Express single-lane (or x1) interface
- ▶ Compatible with ExpressCard 34 / 54mm slot
- ▶ Support IEEE1284 Parallel port standard
- ▶ Supports SPP / ECP / EPP / BPP (PS2) Mode

ECV1400



Graphics VGA ExpressCard / 34

- ▶ Compatible with ExpressCard 34 / 54mm slot
- ▶ 22" LCD 1680 x 1050 resolution support
- ▶ High performance 2D Graphic Accelerator
- ▶ Plug-n-play and Hot-Plug VGA support

CBP0010M



1 port Parallel CardBus

- ▶ PCMCIA Type II 32-bit CardBus interface
- ▶ SUNIX New GoldenIO UL7512EQ Chip Design
- ▶ Support IEEE1284 Parallel port standard
- ▶ Supports SPP / ECP / EPP / BPP (PS2) Mode

CBE1000



CardBus to ExpressCard / 34 Adapter

- ▶ PCMCIA Type II 32-bit CardBus interface
- ▶ Supports USB based EV-DO (3G) and HSDPA (3.5G) broadband ExpressCard / 34.
- ▶ Plug-n-play and Hot-Plug VGA support

USB 2.0 VGA Graphics

SUNIX VGA2614 USB to VGA graphics adapter which built-in NIVO 160 chipset is a none heat sink design for user easily using in kinds of embedded or critical environment applications.



USB 2.0 VGA Graphics Adapter

SUNIX USB Graphics Adapter provides a unique solution to add extra displays to a computer without using additional graphics cards. This product has successfully challenged the limitations of current display connectivity to deliver a highly interactive user experience across a USB 2.0 connection. Users can instantly clone or extend a desktop onto another display via VGA D-Sub or DVI-I interface, such as LCD, CRT, projector and plasma displays. With USB2.0 interface plug-n-play and bus power feature, this product brings multi-monitor applications into the mainstream.

Features

- ▶ Add-On monitor, LCD or projector through USB2.0 High-Speed connectivity.
- ▶ Hot-Swapping / Plug-n-Play of monitors without reconfiguration or rebooting.
- ▶ Up to 6 USB2.0 graphic adapters to work simultaneously.
- ▶ High performance 2D Accelerator resolutions.
- ▶ Widescreen 22 inch LCD maximum 1680 x 1050 resolution support.
- ▶ Supports desktop display primary, mirror and extend mode.
- ▶ Low power consumption via USB Bus power supply (without Heat Sink).
- ▶ Specialized for office using, home entertainment, and video playing.

Applications



*Supports up to 6 displays when using 6 VGA adapters

VGA2614 USB Graphics Adapter

- ▶ Interface:USB2.0 High Speed
- ▶ Controller: SUNIX 2D Graphic Engine
- ▶ Connectivity: D-Sub VGA
- ▶ Resolution: 1680x1050 (Maximum)
- ▶ Color Depth: 16/32-bit True Color
- ▶ Power Supply: USB Bus power
- ▶ OS Support: Windows 2000, 2003, XP, and Vista
- ▶ Working Mode: Mirror and Extended desktop play
- ▶ System Required: 1.5GHz CPU and 512MB RAM above

VGA2626 USB Graphics Adapter with DVI

- ▶ Interface:USB2.0 High Speed
- ▶ Controller: SUNIX 2D Graphic Engine
- ▶ Connectivity: DVI-I
- ▶ Resolution: 1680x1050 (Maximum)
- ▶ Color Depth: 16/32-bit True Color
- ▶ Power Supply: USB Bus power
- ▶ OS Support: Windows 2000, 2003, XP, and Vista
- ▶ Working Mode: Mirror and Extended desktop play
- ▶ System Required: 1.5GHz CPU and 512MB RAM above

ECV1400 VGA Graphic ExpressCard /34mm

- ▶ Full single-lane (or x1) PCI Express throughput.
- ▶ Designed to meet PCI Express Base Specification Revision 1.1a.
- ▶ Compliant with ExpressCard 34 and 54mm slot.
- ▶ High Performance 2D Accelerator
- ▶ Max resolution 32-bit 1600x1200 @60Hz
- ▶ Ultra-low power consumption makes heat sink free.
- ▶ Plug-n-play and Hot Swapping feature.

Specifications

- ▶ Interface: PCIe x1
- ▶ Memory: 32MB DDR RAM
- ▶ Port type: D-SUB RGB Connector
- ▶ OS Support: Windows: 2000/ XP/ 2003/ Vista Windows CE: 4.2/ 5.0a

VGA0011 VGA Graphic PCI Card

- ▶ Fully compliant with PCI 2.2 33/66MHz specification
- ▶ Max 2D resolution 32-bit 1280x1024 @60Hz and 16-bit 1600x1200 @75Hz
- ▶ Max color depth up to 16.7 Million Colors
- ▶ Ultra-low power 2W consumption makes heat sink free

Specifications

- ▶ Interface: PCI 2.2/2.1
- ▶ Memory: 32MB DDR RAM
- ▶ Port type: D-SUB RGB Connector
- ▶ OS Support: Windows: 2000/ XP/ Vista Windows Server: 2000/ 2003(WHQL) Windows CE: 4.2/ 5.0 Linux: RHEL/ Fedora/ Suse/ RedFlag/ Turbo Linux Server/ Debian/ Miracle Others: FreeBSD/ Solaris/ NetWare/ DOS

HDMI Switch

Sunix's HDMI switches provides an interface between any compatible digital audio/video source, such as a set-top box, a DVD player, a PC, a video game system which is an all-digital, uncompressed signal translates into the highest quality video and audio.



HDMI Switches

The High-Definition Multimedia Interface (HDMI) is an all-digital audio/video interface capable of transmitting uncompressed streams. This HDMI switches provides an interface between any compatible digital audio/video source, such as video game system (SONY PS3), set-top box, HD/Blue-ray DVD player or PC into a HDTV or digital audio and/or video monitor.

Features

- ▶ Supports HDMI version 1.1, 1.2, 1.3 and HDCP (High-Bandwidth Digital Content Protection) 1.1.
- ▶ Intelligent adaptive channel equalization
- ▶ Supporting long cable up to 5 meters
- ▶ Easy switching of multiple HDMI sources with using remote controller or the switch button
- ▶ Individual LEDs to display video source / activity channel
- ▶ Supports 480i, 480p, 720p, 1080i and 1080p resolution, maintains highest HDMI single link video resolution
- ▶ Best and low cost solutions for video game players and home theater integration
- ▶ Plug-and-Play, no software installation needed, enjoy in seconds



HDMS21C 2 Ports HDMI Switch

- ▶ HDMI Source Input Port : HDMI Single Link, TMDS. X 2
- ▶ Display Device Output Port : HDMI Single Link, TMDS. X 1
- ▶ Bandwidth : Up to 340MHz / 10.2Gbps
- ▶ Single Link Range : VGA / SVGA / XGA / UXGA 480i,480p,720p,1080i,1080p
- ▶ HDCP Function : HDCP (High-Bandwidth Digital Content Protection) Compliant
- ▶ Display Device Selection : Push Button and IR Remote
- ▶ Cable Length Supports : Up to 5 Meters
- ▶ Power Adapter : Switching Type, 9V DC / 500mA
- ▶ Cable : Package included 1M HDMI cable
- ▶ Housing : Metal
- ▶ Dimension (mm) : 170(W) x 73(D) x 25(H) mm



HDMS41C 4 Ports HDMI Switch

- ▶ HDMI Source Input Port : HDMI Single Link, TMDS. X 4
- ▶ Display Device Output Port : HDMI Single Link, TMDS. X 1
- ▶ Bandwidth : Up to 340MHz / 10.2Gbps
- ▶ Single Link Range : VGA / SVGA / XGA / UXGA 480i,480p,720p,1080i,1080p
- ▶ HDCP Function : HDCP (High-Bandwidth Digital Content Protection) Compliant
- ▶ Display Device Selection : Push Button and IR Remote
- ▶ Cable Length Supports : Max. to 5 Meters
- ▶ Power Adapter : Switching Type, 9V DC / 500mA
- ▶ Cable : Package included 1M HDMI cable
- ▶ Housing : Metal
- ▶ Dimension (mm) : 170(W) x 73(D) x 25(H) mm



WUB4200 Ultra Wild-Band 4 Ports Wireless USB 2.0 Hub

- ▶ Designed to meet Wireless USB specifications USB-IF WiMedia version 1.0
- ▶ Connects USB2.0 peripheral to your computer wirelessly, from up to 30 ft. away
- ▶ Wirelessly connects up to 4 high- or low-speed devices to your computer
- ▶ Support up to 3 hosts accessing WirelessUSB High-Speed HUB separately
- ▶ Transfers data at speeds of up to 480Mbps for USB 2.0 devices
- ▶ Allows connection of existing USB wired devices without changing drivers or software
- ▶ Built-in Individual-status LED for each downstream port and Power LED
- ▶ Reduces cable clutter and lets notebook/PC users roam
- ▶ Certified by Wireless USB IF, CE, FCC, RoHS approval



BTS1009C Bluetooth to RS-232 Adapter

- ▶ Compliance to the Bluetooth Class 1 Version 2.0
- ▶ Link any RS-232 device to a Bluetooth communication
- ▶ Operating distance of up to 100 meters in free space Supports baud rate up to 460.8 Kbps
- ▶ Compact sized and easy to use design with user-friendly Windows utility
- ▶ Powered by external power adapter or USB port on hosting device

Specifications

- ▶ RF Output Power : Class 1 Version 2.0
- ▶ Frequency Band : 2.4 ~ 2.4835 GHz unlicensed ISM band
- ▶ Modulation Method : GFSK, 1 Mbps, 0.5BT Gaussian
- ▶ Spread Spectrum : FHSS (Frequency Hopping Spread Spectrum)
- ▶ Service : Series Port Profile (SPP)
- ▶ Distance : Up to 100m in free space



UHB7200A USB 2.0 7 Ports HUB

- ▶ High performance NEC chipset
- ▶ USB 2.0 compliance
- ▶ Easy connection of devices
- ▶ Each port 500mA current support
- ▶ Easy Plug & play
- ▶ LED Indication
- ▶ Supports any system with USB connection like mouse, enclosures, digital cameras, scanners, and printers
- ▶ Supports any system with USB connection
- ▶ Supports Windows, Linux, and Mac O.S.
- ▶ Dimension : 185 x 65 x 26 mm (L x W x H)



SHB4200MA USB 2.0 4 Ports HUB

- ▶ High performance NEC chipset
- ▶ USB 2.0 compliance
- ▶ Easy connection of devices
- ▶ Slim and stylish design
- ▶ Easy Plug & play
- ▶ Each port 500mA current support
- ▶ LED Indication
- ▶ Supports any system with USB connection like mouse, enclosures, digital cameras, scanners, and printers
- ▶ Supports Windows, Linux, and Mac O.S.
- ▶ Dimension : 95 x 55 x 18 mm (L x W x H)

PCI Express Card

PCI Express is the next revolution in I/O interconnect standards that will deliver the bandwidth and features required by PCs, consumer electronics and communications devices, offers user the ability to add hardware features into their PC in a very painless and simple way.












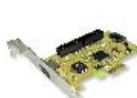

Connect kinds of devices and peripheral to your desktop instantly and conveniently

Sunix's PCI Express Card offers user the ability to add hardware features into their PC in a very painless and simple way. PCI Express scalable bandwidth of 16 gigabytes per second at its initial signaling rate of 2.5GHz with much higher transfer rates in the future using higher frequency signaling technologies, and architecture is a cost-effective, low-pin count interface offering maximum bandwidth per pin, reducing cost and design complexity and enabling smaller form factors.

Features

- ▶ Fully compliant with one-lane 2.5Gb/s PCI Express specification
- ▶ PCI Express companion specification defines hot-pluggable I/O modular form factors
- ▶ Fully compliant with PCI Express
- ▶ Supports one-lane 2.5Gbps PCI-E specification
- ▶ Easy plug & play
- ▶ Supports Windows, Vista, Linux & MAC O.S.

PCI Express Card Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 USB4414N	PCI Express USB2.0 4+1 Ports Card	NEC UPD720101+ TI XIO2000A	100/200/400/800Mbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 FWA2414A	PCI Express IEEE1394A 2+1 Ports Card	TI XIO2200A	100/200/400Mbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 FWB3414G	PCI Express IEEE1394B 2 Ports & 1394A 1+1 Ports Card	LSI FW643	1394B : 100/200/400/800Mbps 1394A : 100/200/400Mbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 UFC2412	PCI Express USB2.0 2+1 Ports 1394B 2+1Ports Combo Card	NEC UPD720101+ TI TSB82AA2+ TI XIO2000A	USB2.0 : 1.5/12/480Mbps 1394B : 100/200/400/800Mbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 LAN1400	PCI Express Giga LAN 1 Port Card	Marvell 8053	10/100/1000Mbps	Windows 2000 / XP / 2003 / 64bit / Vista Linux 2.4.x / 2.6.x
 PTE1414	PCI Express to ExpressCard	—	2.5Gps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 SATA1400	PCI Express Internal 1 Port Serial-ATA II Raid Card	JMicron JMB360	3.0 Gbps	Windows 2000 / XP / 2003 / 64bit / Vista Mac 10.4.x and later
 SATA0014	PCI Express External 1 Port eSATA II Raid Card	JMicron JMB360	3.0 Gbps	Windows 2000 / XP / 2003 / 64bit / Vista Mac 10.4.x and later
 SATA2400P	PCI Express Internal 2 Serial-ATA II & 1 IDE Ports Raid Card	JMircon JMB363	Serial ATA II of 3.0 Gbps Parallel ATA of 133MB/s	Windows 2000 / XP / 2003 / 64bit / Vista Mac 10.4.x and later
 SATA1414P	PCI Express 1+1 Serial-ATA II & 1 IDE Ports Raid Card	JMircon JMB363	Serial ATA II of 3.0 Gbps Parallel ATA of 133MB/s	Windows 2000 / XP / 2003 / 64bit / Vista Mac 10.4.x and later
 SATA4400P	PCI Express to 4 Serial-ATA II & 1 IDE Ports Raid Card	Marvell 88SE6145	Serial ATA II of 3.0 Gbps Parallel ATA of 133MB/s	Windows 2000 / XP / 2003 / 64bit / Vista

ExpressCard

SUNIX ExpressCard is a Smaller and Faster Plug-in Module Solution Card offers user to upgrade the hardware system , combines a smaller form factor and faster performance with the PC Card reliability and ease of use.



Easy to connect kinds of devices and peripheral to your notebooks

ExpressCard, offers you new high-speed, easy to use, low cost module standard from PCMCIA. Sunix's ExpressCard also offers user other advantages such as better integration into the OS, smaller size, and robust designed for ease of handling, carried around in pockets, plugged in and removed from systems.

Features

- ▶ Fully compliant with ExpressCard 34 / 54mm wide module
- ▶ Support one-lane 2.5Gbps PCI Express specification
- ▶ Extend one-lane 2.5Gbps PCI Express protocol and functionality
- ▶ Suitable for Mobile and Notebooks
- ▶ ExpressCard hot plugging and hot swapping features



ExpressCard Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 ECF2400	ExpressCard/34 IEEE1394A 2 Ports	TI XIO2200A	100/200/400Mbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 ECB2400G	ExpressCard/34 IEEE1394B 2 Ports	LSI FW643	100/200/400/800Mbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 ECC1424	ExpressCard/34 IEEE1394A 2 Ports + USB 2.0 1 Port	TI XIO2200A	USB2.0 : 1.5/12/480Mbps 1394A : 100/200/400Mbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.3 and later
 ECL1400	ExpressCard/34 Giga LAN 1 Port	Marvell 8053	10/100/1000Mbps	Windows 2000 / XP / 2003 / 64bit / Vista
 ECSA14	ExpressCard/34 eSATA II 1 Port	JMicron JMB360	3.0Gbps	Windows 2000 / XP / 2003 / 64bit / Vista & Mac 10.5
 ECSA24J	ExpressCard/34 eSATA II 2 Ports	JMicron JMB363	3.0Gbps	Windows 2000 / XP / 2003 / 64bit / Vista & Mac 10.5
 ECSA24	ExpressCard/54 eSATA II 2 Ports	Silicon Image Sil3132	3.0Gbps	Windows 2000 / XP / 2003 / 64bit / Vista & Mac 10.3 and later
 ECS1400	ExpressCard/34 RS-232 1 Port	SUNIX Matrix UL7512EQ	921.6Kbps	Windows 9x / NT / 2000 / XP / 2003 / Vista 32/64bit & Linux
 ECS2400	ExpressCard/34 RS-232 2 Ports	SUNIX Matrix UL7512EQ	921.6Kbps	Windows 2000 / XP / 2003 / 64bit / Vista, Linux
 ECP0010	ExpressCard/34 Parallel 1 Port	SUNIX Matrix UL7512EQ	2.7Mbps	Windows 9x / NT / 2000 / XP / 2003 / Vista 32/64bit & Linux
 ECR4400U	ExpressCard/34 11-in-1 Card Reader	AU6375	480Mbps	Windows 2000 / XP / 64bit / 2003 / Vista, Mac

CardBus

SUNIX CardBus's circuit design not only provides the best current protection, but also adds switch regulator which allowing you connect variety of devices without using external power and its very easy to carry while you are having the meeting or traveling outside.



Ideal choice for ext. storage devices in your notebooks

Sunix's CardBus is the current generation, high-performance 32-bit/bus master interface for PCMCIA slots in laptops. We provides all kinds of transfer interfaces including RS-232, Parallel, IEEE 1394B/A, USB2.0, Serial-ATA, and Ethernet CardBus. Sunix CardBus series can easiest and fastly access your virous external devices, such as printers, mouse, keyboards, Scanners, Digital Cameras, Device storage Units, CD and DVD buring devices, Digital Video, HDD...etc devices to function simultaneously on your notebooks.

Features

- Compatible with CardBus (32bit) slot
- Easy to plug-n-play installation
- Simple and easy way to connect devices to your notebooks

Our CardBus's circuit design not only provides the best current protection, but also adds switch regulator which allowing you connect variety of devices without using external power. This thoughtful design adds the convenience while you are having the meeting or traveling outside.



Superior Design



CardBus Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 CBS1009	RS-232 CardBus 1 Port	SUNIX Martix UL7512EQ	230.4Kbps	Windows 98SE / 2000 / XP / 2003 / Vista & Linux
 CBS2009	RS-232 CardBus 2 Ports	SUNIX Martix UL7512EQ	230.4Kbps	Windows 98SE / 2000 / XP / 2003 / Vista & Linux
 CBP0010M	Parallel CardBus 1 Port	SUNIX Martix UL7512EQ	2.7Mbps	Windows 2000 / XP / 2003 / Vista & Linux
 CBP0020M	Parallel CardBus 2 Ports	SUNIX Martix UL7512EQ	2.7Mbps	Windows 2000 / XP / 2003 / Vista & Linux
 CBF2000G	IEEE1394A CardBus 2 Ports	LSI FW323	100/200/400Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 CBF3000G	IEEE1394A CardBus 3 Ports	LSI FW323	100/200/400Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 CBF3100	IEEE1394B/A Combo CardBus 3 Ports	TI SB81BA3 (PHY)and TSB82AA2(LYNX)	1394B : 100/200/400/800Mbps 1394A : 100/200/400/Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 CBU2200N	USB2.0 CardBus 2 Ports	NEC UPD720102	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 CBU1080N	USB2.0 CardBus 3 Ports	NEC UPD720102	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 CBSA20I	eSATA CardBus 2 Ports	INITIO INIC1620	1.5Gbps	Windows 98SE / 2000 / XP / 2003 / Vista
 CBE1000	CardBus to USB ExpressCard / 34 Adapter	NEC UPD720102	480Mbps	Windows 2000 / XP / 2003 / Vista

USB Adapter

SUNIX USB Adapter can help you to extend the connection for either you notebook or your desktop, the adapter is compatible USB 2.0 and also backward compatible with USB 1.1. The adapter acts as a hub as well with two ports available for your connection needs.



Extend the connection to Computer equipped with kinds of devices

No longer would the usage of a serial or parallel device be restricted by the availability of the connectable ports on the desktop, laptop or work station system. With Sunix's USB to I/O adapter utilized the high quality chipset, not only has passed the WHQL certification, it is also the most compatible and the most reliable.

Features

USB to Audio

- ▶ High quality stereo sound for digital music, movie & game
- ▶ Xear 3D sound technology software
- ▶ Virtual surround sound with Dolby Digital® 5.1, HRTF3D®, EAX™ Speaker Shifter effects
- ▶ Supports DVD movie, 3D game, MP3

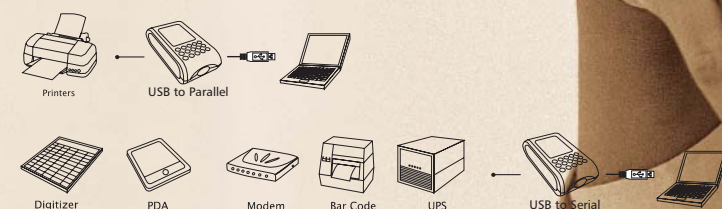


USB to RS-232












- ▶ Compatible USB 2.0 and also backward compatible with USB 1.1
- ▶ USB full speed 12Mbps with bus power
- ▶ Automatic handshake mode
- ▶ Connectors: DB9M or DB25M
- ▶ Cable length: 1.5M

USB to Parallel

- ▶ USB Printer Class Specification 1.0 compliant
- ▶ Connectors: DB25F
- ▶ Cable length: 1.5M



USB Adapter Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 UTA3100B	USB2.0 to Audio Dolby 5.1 Channel	C-Media CM108	1.5/12/480 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / 64bit / Vista
 UTL1200MB	USB2.0 to LAN 1 Port	MosChip MCS7830	1.5/12/480 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / 64bit / Vista
 UEC1200B	USB2.0 Extension Cable 1 Port 5M	NEC UPD720114	1.5/12/480 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / 64bit / Vista
 UEC2200B	USB2.0 Extension Cable 2 Ports 5M	NEC UPD720114	1.5/12/480 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / 64bit / Vista
 UTS1009D	USB to RS-232 1 Port (Molding Cable)	Prolific PL2303HX	1.5/12 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / Vista, Linux & Mac
 UTS1009B	USB to RS-232 1 Port	Prolific PL2303HX	1.5/12 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / Vista, Linux & Mac
 UTS2009B	USB to RS-232 2 Ports	MosChip MCS7720	1.5/12 Mbps	Windows 98SE / WinCE / ME / 2000 / XP / 2003 / Vista, Linux & Mac 10.X and later
 UTS4009P	USB to RS-232 4 Ports	Prolific PL2303HX	1.5/12 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / Vista, Linux & Mac
 UTS7009P	USB to RS-232 7 Ports	Prolific PL2303HX	1.5/12 Mbps	Windows 98SE / ME / 2000 / XP / 2003 / Vista, Linux & Mac
 UTM1925B	USB to 1 port RS-232 & 1 port Parallel	MosChip MCS7715	1.5/12 Mbps	Windows 98SE / WinCE / ME / 2000 / XP / 2003 / Vista, Linux
 UTP1025B	USB to Parallel 1 Port	Prolific PL2305	1.5/12 Mbps	Windows 98SE/ ME / 2000 / XP / 2003 / Vista, Linux

USB2.0 PCI Card

SUNIX USB 2.0 PCI Card provides users more USB ports in desktop , which makes adding peripheral devices easy, efficient and affordable. USB PCI Card is fully USB 2.0 compliant, supports transmission rates of up to 480 Mbps.



Connect more USB devices to your desktop instantly and conveniently

Sunix USB PCI Controller Cards are designed in accordance to USB specification Rev 1.0/1.1/2.0 which act as a bridge between the main computer host and the down stream USB devices. It is able to complement PC serial interface by connecting a full range of peripherals, which is very simple and flexible for the users.







We provide 2~5 type downstream ports USB PCI Controller Cards and NEC, VIA chipsets to satisfy our customer.

Features


- ▶ Compliant with all industry-standard USB1.1 and 2.0 peripherals
- ▶ Free Orange Micro software supporting!
- ▶ Our full range of USB2.0 solutions support Mac O.S. 10.x and later
- ▶ Supports data transfer rate 1.5/12/480 Mbps
- ▶ Fully supports EHCI and OHCI Compliant standards
- ▶ Supports Plug-n-Play features




USB2.0 PCI Card Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 USB1074NC	4+1 Ports USB2.0 PCI Card	NEC UPD720101	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.X and later
 USB2212NC	2+1 Ports USB2.0 PCI Card	NEC UPD720101	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.X and later
 USB2200NL	Low Profile 2 Ports USB2.0 PCI Card	NEC UPD720101	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.X and later
 USB4222V	4+2 Ports USB2.0 PCI Card	VIA VT6212L	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.X and later
 USB4212V	4+1 Ports USB2.0 PCI Card	VIA VT6212L	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.X and later
 USB2212V	2+1 Ports USB2.0 PCI Card	VIA VT6212L	1.5/12/480Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 10.X and later

Debug PCI Card

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 POS9501	32bit PCI Post-Code Card	—	—	DOS, WinCE, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista & Linux

PCI to PCMCIA Card

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 PTC1010R	PCI to 16/32bit PCMCIA Card	RICOH R5C485	—	WinCE, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista & Linux

1394A/B PCI Card

Sunix's high quality 1394 PCI card can provide your system with 1394 capability or expand your existing ports. Through interfacing with digital camcorder, digital camera, or DVD/CD ROM, you will be able to enjoy digital video and audio to the most.



Idea connection for devices with Firewire interface, you will be able to enjoy digital life.

The IEEE 1394, so-called FireWire allows users to connect up to 63 devices, whose specification calls for 100, 200 and 400 Mbps transfer rate. It supports Plug-n-Play, multiple speeds on the same bus and isochronous data transfer, which guarantees bandwidth for multimedia operations.

Specifications




1394A

- ▶ Chipset : LSI
- ▶ Bus type : 32 bit PCI
- ▶ Supports data transfer rate up to 100 / 200 / 400Mbps
- ▶ Supports up to 63 FireWire devices, working with various types of IEEE1394A devices



1394B

- ▶ Chipset : TI TSB81BA3 (PHY) and TSB82AA2(LYNX)
- ▶ Bus type : 64 / 32 bit PCI
- ▶ Supports data transfer rate up to 100/200/400/800 Mbps

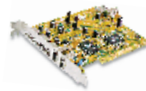
1394A PCI Card Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 FWA3010G	3+1 Ports 1394A PCI Card	LSI FW323	100/200/400Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 FWA3010GP	3+1 Ports 1394A PCI Card with Power Input	LSI FW323	100/200/400Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 FWA3010GL	3+1 Ports 1394A PCI Card (Low Profile)	LSI FW323	100/200/400Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later

1394B PCI Card

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 FWB3100	3 External IEEE 1394B Ports	TI TSB81BA3 (PHY)and TSB82AA2(LYNX)	1394B : 100/200/400/800Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 FWB3110	2 Ext. 1394B & 1 Ext. 1394A / 1 Int. 1394A PCI-X Card	TI TSB81BA3 (PHY)and TSB82AA2(LYNX)	1394B : 100/200/400/800Mbps 1394A : 100/200/400Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later

Combo PCI Card

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 UFC3212V	USB2.0 3+1 Ports 1394A 2+1 Ports Combo PCI Card	VIA VT6214L VIA VT6306	USB2.0 : 1.5/12/480Mbps 1394A : 100/200/400Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later

Optional



1394A 6-6 Cable



1394A 6-4 Cable



1394B 9-9 Cable



1394B 9-6 Cable



Video Editing Software
Enjoy full speed digital video editing on your PC



Serial ATA PCI Card

Sunix's serial ATA card is the next-generation internal storage inter-connect, designed to replace parallel ATA technology. Serial ATA is the proactive evolution of the ATA interface from a parallel bus to serial bus architecture.



Upgrade your desktop computer to Serial ATA channels in an easy way

With the growing popularity of the Serial ATA host controller and the high transmission speed that it offers, Sunix has launched the 2 and 4 channel Serial ATA card. With this card, which supports Raid 0, 1, 0+1, JBOD and plug-n-play at the same time, the users can connect up to hard disk within more than 137GB each one. And what's more, with the additional driver that Sunix provides, not only you'll be able to upgrade the data transfer, but also you can reduce the CPU loading at once!

All these advantages and more make Sunix SATA host controller your best choice for Serial ATA Raid!

Features

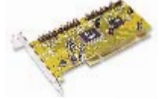

- Compliant with Serial ATA 1.0, PCI specification revision 2.2
- Supports data transfer rate up to 66/100/133/150 Mbps
- Supports Hot-Swapping and Plug-n-Play features
- Supports hard disk drive larger than 137GB
- Upgrade your desktop computer to have Multi-Serial ATA or Parallel-ATA Channels
- Supports RAID 0 (Striping) & RAID 1 (Mirroring), or 0+1 (Striping+Mirroring)



Serial ATA PCI Card Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 SATA4000	4 Ports Serial ATA PCI Card RAID 0,1,0+1	Silicon Image 3114	150Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux
 SATA2020	2+2 Ports Serial ATA PCI Card RAID 0,1,0+1	Silicon Image 3114	150Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux
 SATA2100	2 Ports Serial ATA PCI Card RAID 0,1	INITIO INIC1622	150Mbps	Windows 98SE / 2000 / XP / 2003 / Vista, Linux 2.4 / 2.6
 SATA1111	1+1 Ports Serial ATA PCI Card RAID 0,1	INITIO INIC1622	150Mbps	Windows 98SE / 2000 / XP / 2003 / Vista, Linux 2.4 / 2.6
 SATA2000P	2 Ports Serial ATA & 1 Port IDE PCI Card RAID 0,1,0+1	VIA VT6421L	66/100/133/150Mbps	Windows 98SE / 2000 / XP / 2003
 SABR2000HV	IDE to Serial ATA Bridge Host Mode with Vertical Type	Marvell 88i8030	66/100/133/150Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later
 SABR1000D	Serial ATA to IDE Bridge Device Mode	JMircon JM20330	66/100/133/150Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux & Mac 8.6 and later

IDE PCI Card

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
 IDE4700	IDE PCI Card 2 Channels RAID 0,1,0+1	iTE 8212F	66/100/133Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit, Linux
 IDE3710	IDE PCI Card 2 Channels RAID 0,1,0+1	Silicon Image 0680A	66/100/133Mbps	Windows 98SE / 2000 / XP / 2003 / 64bit / Vista, Linux

Golden I/O

SUNIX has more than 20 years of experiences specializing in the research and development in the technology of the I/O controller cards. The technology and quality we built into each and every one of our I/O controller cards has earned us the great name, "Golden I/O Card".

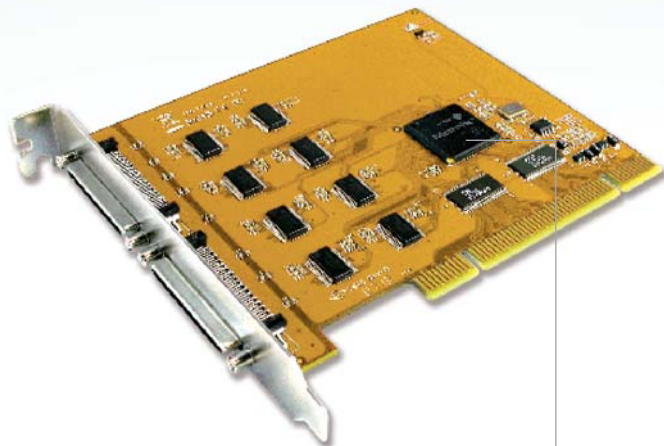


The best solution for various industrial communication and automation applications



Sunix Universal PCI I/O Card,fully compatible with PCI ver.2.2 standard,and designed its own chipsets **Matrix / SUN(1888/1889/1689/1699)** enable us to provide full support for our products with **WHQL certification**.

SER1600A 16 Ports RS-232 PCI Card



Overview

With SUNIX GoldenIO Universal PCI serial communication boards, users can add 16 / 8 / 4 / 2 / 1 serial ports to their system, allowing them to use serial devices further. The board is compatible with both 32 / 64-bit PCI architecture supporting 3.3 and 5V and serial communication up to 921.6Kbps per port. SUNIX GoldenIO card series is designed with SUNIX high performance and realizable single chipset UART controller, and as well built with many of SUNIX advanced features and technologies, making it the advanced and high efficient solution for commercial and industrial automation applications.

Features

- ▶ Expands 16 RS-232 serial ports with a data transfer rate up to **921.6Kbps**.
- ▶ High performance SUNIX 16C650 compatible UART controller on-board.
- ▶ Compliance with PCI 33MHz Version 3.0/2.3/2.2/2.1 specification.
- ▶ Supports both 64-bit & 32-bit PCI bus slot and 3.3V & 5V power.
- ▶ On-chip hardware auto flow control to guarantee no data loss.
- ▶ Built-in ±15KV ESD protection for all serial signals meets IEC1000-4-2 standard.
- ▶ Plug-n-Play, I/O address and IRQ assigned by BIOS.
- ▶ Certified by CE, FCC, RoHS, and Microsoft WQHL approval.
- ▶ Support Microsoft Windows, Linux, UNIX, and DOS.



✳ the world's first 16 ports single chipset solution.

Golden I/O PCI Express & PCI Card Family

Model	Product description	Chips	Data Transfer Rate	O.S. Supports
SER4437A	RS-232 PCI Express Card 2 Ports	SUN1889	115.2Kb / sec	DOS, OS2, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista, Linux & Unix
SER4456A	RS-232 PCI Express Card 4 Ports	SUN1889	115.2Kb / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista, Linux & Unix
PAR4418A	Parallel PCI Express Card 2 Ports	SUN1888	2.7MB / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista & Linux
MIO4479A	RS-232 2 Ports & Parallel 1 Port PCI Express Card	SUN1888 SUN1889	RS-232 : 115.2Kb / sec Parallel : 2.7MB / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista & Linux
SER4027A	RS-232 PCI Card 1 Port	SUN1889	115.2Kb / sec	DOS OS2, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista, Linux & Unix
SER4037A	RS-232 PCI Card 2 Ports	SUN1889	115.2Kb / sec	DOS OS2, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista, Linux & Unix
SER4056A	RS-232 PCI Card 4 Ports	SUN1889	115.2Kb / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista, Linux & Unix
SER4066R	RS-232 PCI Card 8 Ports	SUN1889	115.2Kb / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista, Linux & Unix
PAR4008A	Parallel PCI Card 1 Port	SUN1888	2.7MB / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista & Linux
PAR4018A	Parallel PCI Card 2 Ports	SUN1888	2.7MB / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista & Linux
MIO4079AM	RS-232 2 Ports & Parallel 1 Port PCI Card	SUN1888 SUN1889	RS-232 : 115.2Kb / sec Parallel : 2.7MB / sec	DOS, WinCE 5.0, Windows 98SE / ME / NT4.0 / 2000 / XP / 2003 / Vista & Linux

INDEX

USB 2.0 VGA Graphics Adapter

VGA2614	USB Graphics Adapter	4
VGA2626	USB Graphics Adapter	4
ECV1400	VGA ExpressCard/34	5
VGA0011	VGA Graphic PCI Card	5

HDMI Switches

HDMS21C	2 Ports HDMI Switch	6
HDMS41C	4 Ports HDMI Switch	6

Computer Accessories

WUB4200	Ultra Wild-Band 4 Ports Wireless USB 2.0 Hub	7
BTS1009C	Bluetooth to RS-232 Adapter	7
UHB7200A	USB 2.0 7 Ports HUB	7
SHB4200MA	USB 2.0 4 Ports Slim HUB	7

PCI Express Card

USB4414N	PCI Express USB2.0 Card 4+1 Ports	9
FWA2414A	PCI Express IEEE1394A Card 2+1 Ports	9
FWB3414G	PCI Express IEEE1394B 2 Ports & 1394A 1+1 Ports Card	9
UFC2412	PCI Express USB2.0 2+1 Ports 1394B 2+1 Ports Combo Card	9
LAN1400	PCI Express Giga LANCard 1 Port	9
PTE1414	PCI-Express to Express Card	9
SATA1400	PCI Express to 1 Port Serial-ATA II	9
SATA0014	PCI Express to 1 Port eSATA II	9
SATA2400P	PCI Express to 2 Internal Serial-ATA II & 1 IDE Ports	9
SATA1414P	PCI-Express to 1+1 Serial-ATA & 1 IDE Ports	9
SATA4400P	PCI-Express to 4 Serial-ATA & 1 IDE ports	9

ExpressCard

ECF2400	ExpressCard/34 IEEE1394A 2 Ports	11
ECB2400G	ExpressCard/34 IEEE1394B 2 Ports	11
ECC1424	ExpressCard/34 IEEE1394+USB2.0	11

ECL1400	ExpressCard/34 Giga LAN 1 Port	11
ECSA14	ExpressCard/34 eSATAII 1 Port	11
ECSA24J	ExpressCard/34 eSATA II 2 Ports	11
ECSA24	ExpressCard/54 eSATAII 2 Ports	11
ECS1400	ExpressCard/34 RS-232 1 Port	11
ECS2400	ExpressCard/34 RS-232 2 Ports	11
ECP0010	ExpressCard/34 Parallel 1 Port	11
ECR4400U	ExpressCard/34 11-in-1 Card Reader	11

CardBus

CBS1009	RS-232 CardBus 1 Port	13
CBS2009	RS-232 CardBus 2 Ports	13
CBP0010M	Parallel CardBus 1 Port	13
CBP0020M	Parallel CardBus 2 Ports	13
CBF2000G	IEEE1394A CardBus 2 Ports	13
CBF3000G	IEEE1394A CardBus 3 Ports	13
CBF3100	IEEE1394B/A Combo CardBus 3 Ports	13
CBU2200N	USB2.0 CardBus 2 Ports	13
CBU1080N	USB2.0 CardBus 3 Ports	13
CBSA20I	eSATA CardBus 2 Ports	13
CBE1000	CardBus to USB ExpressCard / 34 Adapter	13

USB Adapter

UTA3100B	USB2.0 to Audio Dolby 5.1 Channel	15
UTL1200MB	USB2.0 to LAN 1 Port	15
UEC1200B	USB2.0 Extension Cable 1 Port 5M	15
UEC2200B	USB2.0 Extension Cable 2 Ports 5M	15
UTS1009D	USB to RS-232 1 Port (Molding Cable)	15
UTS1009B	USB to RS-232 1 Port	15
UTS2009B	USB to RS-232 2 Ports	15
UTS4009P	USB to RS-232 4 Ports	15
UTS7009P	USB to RS-232 7 Ports	15
UTM1925B	USB to 1 Port RS-232 / 1 Port Parallel	15
UTP1025B	USB to Parallel 1 Port	15

USB 2.0 PCI Card

USB1074NC	4+1 Ports USB2.0 PCI Card	17
USB2212NC	2+1 Ports USB2.0 PCI Card	17
USB2200NL	Low Profile 2 Ports USB2.0 PCI Card	17
USB4222V	4+2 Ports USB2.0 PCI Card	17
USB4212V	4+1 Ports USB2.0 PCI Card	17
USB2212V	2+1 Ports USB2.0 PCI Card	17

Debug

POS9501	32bit PCI Post-Code Card	17
---------	--------------------------	----

PCI to PCMCIA

PTC1010R	PCI to 16/32bit PCMCIA Card	17
----------	-----------------------------	----

1394 A/B PCI Card

1394 A

FWA3010G	3+1 Ports IEEE1394A PCI Card	19
FWA3010GP	3+1 Ports 1394A PCI Card with Power Input	19
FWA3010GL	Low Profile 3+1 Ports IEEE1394A PCI Card	19

1394 B

FWB3100	3 Ports IEEE1394B PCI Card	19
FWB3110	3+1 Ports IEEE1394B/A PCI Card	19

Combo

UFC3212V	USB2.0 3+1 Ports 1394 A 2+1 Ports Combo PCI Card	19
----------	--	----

Serial ATA PCI Card

SATA4000	4 Ports Serial ATA PCI Card RAID 0,1,0+1	21
SATA2020	2+2 Ports Serial ATA PCI Card RAID 0,1,0+1	21
SATA2100	2 Ports Serial ATA PCI Card RAID 0,1	21
SATA1111	1+1 Ports Serial-ATA PCI Card RAID 0,1	21
SATA2000P	2 Ports Serial ATA & 1 Port IDE PCI Card RAID 0,1,0+1	21
SABR2000HV	IDE to Serial-ATA Bridge Host Mode	21
SABR1000D	Serial ATA to IDE Bridge Device Mode	21

IDE

IDE4700	IDE PCI Card 2 Channels RAID 0,1,0+1	21
IDE3710	IDE PCI Card 2 Channels RAID 0,1,0+1	21

Golden I/O Card

PCI Express I/O

SER4437A	RS-232 PCI Express Card 2 Ports	23
SER4456A	RS-232 PCI Express Card 4 Ports	23
PAR4418A	Parallel PCI Express Card 2 Ports	23
MIO4479A	RS-232 2 Ports & Parallel 1 Port PCI Express Card	23

PCI I/O

SER1600A	RS-232 PCI Card 16 ports	
SER4027A	RS-232 PCI Card 1 Port	23
SER4037A	RS-232 PCI Card 2 Ports	23
SER4056A	RS-232 PCI Card 4 Ports	23
SER4066R	RS-232 PCI Card 8 Ports	23
PAR4008A	Parallel PCI Card 1 Port	23
PAR4018A	Parallel PCI Card 2 Ports	23
MIO4079AM	RS-232 2 Ports & Parallel 1 Port PCI Card	23