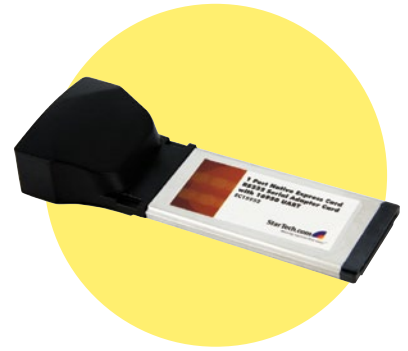


I/O Cards

PCI/PCIe Cards, Adapters, and Converters

A robust line of serial and parallel cards to suit nearly every possible application, including multiple port configurations, form factors, connectors, and protocols.



1 Port PCI Parallel Adapter Card
PCI1PECP

PARALLEL CARDS (SPP/ECP/EPP/BPP COMMUNICATIONS)

# of Ports	Bus	Chipset	Data Rate	Features	Part Number
1 Port	PCI	NM9805CV	1.5 Mbps	Low Profile	PCI1P_LP*
1 Port	PCI	NM9805CV	1.5 Mbps	Low/Full profile brackets included	PCI1PECP
1 Port	PCI	SUN1888	1.5 Mbps	Full Profile	PCI1P
1 Port	PCI	OX16PCI1952	1.5 Mbps	Dual voltage, dual brackets	PCI1PECPDV
1 Port	PCI Express	OXPCle952	1.5 Mbps	Low/Full profile brackets included	PEX1P
2 Ports	PCI	MCS9815	1.5 Mbps	Low/Full profile brackets included	PCI2PECP
2 Ports	PCI Express	MCS9815CV	1.5 Mbps	Low/Full profile brackets included	PEX2PECP



2 Port PCI Low Profile RS232 Serial Adapter Card with 16550 UART
PCI2S550_LP

PCI SERIAL CARDS (RS-232/RS-485/RS-422)

# of Ports	UART	Chipset	Data Rate	Features	Part Number
1 Port	16C550	RS-232	921 Kbits/sec	Full Profile	PCI1S550
1 Port	16C550	RS-232	921 Kbits/sec	Low Profile	PCI1S550_LP*
1 Port	16C650	RS-232	921 Kbits/sec	Dual Voltage	PCI1S650PW
2 Ports	16C550	RS-232	921 Kbits/sec	Full Profile	PCI2S550
2 Ports	16C550	RS-232	921 Kbits/sec	Low Profile	PCI2S550_LP*
2 Ports	16C950	RS-422/485	921 Kbits/sec	Full Profile	PCI2S485
2 Ports	16C554	RS-422/485	230 Kbits/sec	Optically Isolated	PCI2S422ISO
2 Ports	16C650	RS-232	921 Kbits/sec	Dual Voltage	PCI2S650PW
2 Ports	16C950	RS-232	921 Kbits/sec	Dual Voltage	PCI2S950DV
4 Ports	16C550	RS-232	921 Kbits/sec	Breakout cable uses a single slot	PCI4S550
4 Ports	16C550	RS-232	921 Kbits/sec	Occupies 2 slots	PCI4S550N
4 Ports	16C554	RS-422/485	230 Kbits/sec		PCI4S422DB9
4 Ports	16C650	RS-232	921 Kbits/sec	Dual Voltage	PCI4S650PW
4 Ports	16C950	RS-232	921 Kbits/sec		PCI4S9503V
8 Ports	16C950	RS-232	921 Kbits/sec		PCI8S9503V



1 Port Low Profile Native PCI Express Serial Card with 16950
PEX1S952LP

PCI-EXPRESS SERIAL CARDS (RS-232) - SINGLE CHIP DESIGN FOR UP TO 48% LESS LOAD ON CPU

# of Ports	Chipset	Protocol	Data Rate	Features	Part Number
1 Port	MCS9922CV-AA	RS-232	460 Kbits/sec	Low/Full profile brackets included	PEX1S553/LP*
1 Port	OXPCle952	RS-232	460 Kbits/sec	Low/Full profile brackets included	PEX1S952/LP*
2 Ports	MCS9922CV-AA	RS-232	460 Kbits/sec	Low/Full profile brackets included	PEX2S553/LP*
2 Ports	OXPCle952	RS-232	460 Kbits/sec	Low/Full profile brackets included	PEX2S952/LP*
2 Ports	MCS9901	RS-232	250 Kbits/sec	Breakout cable uses a single slot	PEX2S552B
4 Ports	MCS9922CV-AA	RS-232	460 Kbits/sec	Low/Full profile brackets included	PEX4S553
4 Ports	OXPCle954	RS-232	460 Kbits/sec	Low/Full profile brackets included	PEX4S952/LP*
4 Ports	MCS9901	RS-232	250 Kbits/sec	Breakout cable uses a single slot	PEX4S552B
8 Ports	OXPCle958	RS-232	460 Kbits/sec	Breakout cable uses a single slot	PEX8S952
16 Ports	OXPCle958	RS-232	921 Kbits/sec	Breakout cable uses a single slot	PEX16S952LP*



2 Port RS232 Mini PCI Express Serial Card with 16950 UART
MPEX2S952

COMBO CARDS/OTHER CARDS

# of Ports	Bus	Protocol	Data Rate	Features	Part Number
1 Serial, 1 Parallel	Mini PCI Express	RS-232 + ECP/EPP	460 Kbits/sec & 1.5 Mbps/sec		PEX1S1PMINI
2 Serial	Mini PCI Express	RS-232	460 Kbits/sec	Powered	MPEX2S952
2 Serial, 1 Parallel	PCI	RS-232 + ECP/EPP	460 Kbits/sec & 1.5 Mbps/sec	Low/Full profile brackets included	PCI2S1P
2 Serial, 1 Parallel	PCI Express	RS-232 + ECP/EPP	460 Kbits/sec & 1.5 Mbps/sec	Low/Full profile brackets included	PEX2S5531P
2 Serial, 1 Parallel	PCI Express	RS-232 + ECP/EPP	250 Kbits/sec & 1.5 Mbps/sec	Breakout cable uses a single slot	PEX2S1P552B

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4 Port Professional USB to Serial Adapter Hub with COM Retention
ICUSB2324X

USB TO SERIAL & PARALLEL

# of Ports	Chipset	Type	Features	Part Number
1 Port	PL2303	RS-232		ICUSB232
1 Port	PL2303	RS-232	COM port retention	ICUSB232PRO
1 Port	TIUSB3410	RS-232	Rugged Enclosure, COM port retention	ICUSB2321X
1 Port	FTDI FT232R	RS-232	Internal cable add-on to M/B	ICUSB232INT1
1 Port	FTDI FT232RL	RS-422/485		ICUSB422
1 Port	FTDI FT232RL	RS-422/485	Optically Isolated, Industrial	ICUSB422IS
2 Ports	PL2303	RS-232	2 Ports on a single cable	ICUSB232C2
2 Ports	TIUSB3410	RS-232	Rugged Steel Enclosure, COM port retention	ICUSB2322X
4 Ports	FTDI FT232RL	RS-232	COM port retention	ICUSB2324
4 Ports	TIUSB3410	RS-232	Rugged Steel Enclosure, COM port retention	ICUSB2324X
8 Ports	FTDI FT232RL	RS-232	COM port retention	ICUSB2328



1 Port Metal Industrial USB to RS422/RS485 Serial Adapter with Isolation
ICUSB422IS

EXPRESSCARD/CARDBUS TO SERIAL & PARALLEL

# of Ports	Bus	Type	Features	Part Number
1 Port	Cardbus (PCMCIA)	ECP/EPP		CB1PECP
1 Port	Expresscard	RS-232	USB Based	EC1S232U
1 Port	Expresscard	RS-232		EC1S952
1 Port	Expresscard	ECP/EPP	USB Based	EC1UP
1 Port	Expresscard	ECP/EPP		EC1PECP5
2 Ports	Cardbus (PCMCIA)	RS-232		CB2S950
2 Ports	Expresscard	RS-232		EC2S952
4 Ports	Expresscard	RS-232		EC4S952

ETHERNET (RJ45) TO SERIAL

Input	# of Ports	Output Signal	Features	Part Number
RS-232	1 Port	RS-422/485	Serial signal converter 232 to 485	IC485SGB
RJ45	1 Port	RS-232/422/485	Serial over IP Ethernet Device Server	NETRS2321EGB
RJ45	1, 2 Ports	RS-232	Serial over IP Ethernet Device Server	NETRS232_1GB/2GB
RJ45	1 Port	RS-232	Power over Ethernet (PoE) to Serial	NETRS2321POEGB



3 Port PCI Express 12V Powered USB Adapter Card - USB PlusPower
PEX312PUSB

POWERED USB/USB PLUSPOWER

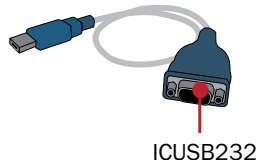
# of Ports	Bus	Voltage	Features	Part Number
3 Ports	PCI	3 x 12V	Low/Full profile brackets included	PCI312PUSB/LP*
3 Ports	PCI Express	3 x 12V	Low/Full profile brackets included	PEX312PUSB/LP*
2 Ports	Motherboard	1 x 24V, 1 x 12V	Requires no PCI/PCIe slot	PUSBADAP/LP*
3 Ports	PCI	1 x 24V, 2 x 12V	Low/Full profile brackets included	PCI1224PUSB

*Models ending in LP ship built as low profile

Flexible solutions for adding serial connectivity to any system.



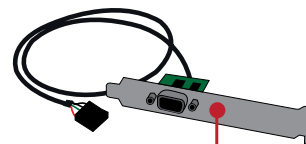
Laptop



ICUSB232

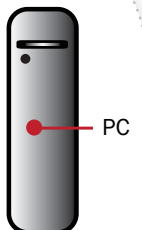
External Add-ons

Serial
RS-232
RS-422
RS-485



ICUSB232INT1

Internal Add-ons



PC

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A complete selection of internal and external storage controllers, adapters and converters to support storage connectivity and expansion solutions for all types of hard drives, solid state drives and CF media.



1 Port Slim ExpressCard
34mm eSATA II Controller
Adapter Card
ECESATA1

LAPTOP/NOTEBOOK

# of Ports	Bus	Type	Key Features	Part Number
2 Ports	Cardbus	eSATA	32 bit CardBus	CBESAT2
1 Port	34mm ExpressCard	eSATA	Flushmount	ECESATA1
2 Ports	34mm ExpressCard	eSATA	Single Chip; Port Multiplier	ECESATA22
2 Ports	54mm ExpressCard	eSATA	Single Chip; PM	ECESATA254
1 Port	34mm ExpressCard	eSATAp (USB+eSATA)	Single combination port	ECESATUSB1
2 Ports	34mm ExpressCard	eSATA	SATA 6; PM	ECESAT32

DESKTOP

# of Ports	Bus	Type	Key Features	Part Number
2 Ports	PCI	eSATA/SATA	1 Ext + 1 Internal; LP Bracket	PCIESATA2I
4 Ports	PCI	SATA	RAID 0, 1; LP Bracket	PCISATA4R1
3 Ports	PCI	SATA/IDE	2 Int SATA & IDE; LP Bracket	PCISAT2IDE1
1 Port	PCIe	eSATA	Single Chip; PM; LP Bracket	PEXESATA1
2 Ports	PCIe	eSATA	Single Chip; PM; LP Bracket	PEXESATA2
4 Ports	PCIe	SATA/IDE	2 SATA + 2 IDE Internal	PEXSAT2IDE2
2 Ports	PCIe	SATA	Single Chip; PM; LP Bracket	PEXSATA22I
6 Ports	PCIe	eSATA/SATA	Single Chip; PM	PEXSATA24E
2 Ports	PCIe	eSATA	SATA 6; PM; LP Bracket	PEXESAT32
2 Ports	PCIe	SATA	SATA 6; PM; LP Bracket	PEXSAT32
1 Port	PCIe	IDE	Supports 2 Drives; LP Bracket	PEX2IDE
1 Port	PCI	SCSI	Ultra Wide SCSI	PCISCSIUW



1 Port PCI Express eSATA II
Controller Card
PEXESATA1

DRIVE CONVERTERS

Host System	Host	Peripheral Connector	Key Features	Part Number
Desktop/Server	IDE	SATA HD	Connect SATA HD to IDE System	IDE2SAT
Desktop/Server	IDE	SATA HD	Connect 2.5 or 3.5in SATA HD	IDE2SAT25
Desktop/Server	IDE	SATA HD	Connect 2 SATA HD to IDE	PATA2SATA2
Desktop/Server	IDE or SATA	SATA or IDE HD	Bi-Directional	PATA2SATA3
Desktop/Server	USB 2.0	SATA or IDE HD	Connect SATA HD or IDE to USB	USB2SATAIDE
Desktop/Server	Internal USB	Slim SATA	Connect Slimline SATA Optical Drive	USB2SLSATINT
Desktop/Laptop	USB 2.0	eSATA	Converts USB Port to eSATA	USB2ESATA
Desktop/Laptop	USB 2.0	SATA	Supports 2.5 or 3.5in HD	USB2SATA25
Desktop/Laptop	USB 3.0	SATA	Supports 2.5 or 3.5in HD	USB3S2SATA
Desktop/Server	SATA	Slim IDE	Connect Slimline IDE Optical Drive	OPT2SATA



IDE to SATA Adapter
Converter
PATA2SATA2

FLASH MEDIA INTERNAL ADAPTERS

Host System	Host	Peripheral Connector	Key Features	Part Number
Laptop	1.8 or 2.5in IDE	Compact Flash	Bootable SSD	CF2IDE18
Laptop	1.8in Micro SATA	Compact Flash	Bootable SSD	CF2USAT18E
Laptop	2.5in IDE	Dual Compact Flash	Bootable SSD	CF2X2IDE25
Laptop	40/44 pin IDE	Compact Flash	Bootable SSD	IDE2CF
Laptop	40/44 pin IDE	Compact Flash	Bootable SSD; 3.5in Bay	35BAYCF2IDE
Laptop	SATA	Compact Flash	Bootable SSD; 3.5in Bay	35BAYCF2SAT
Laptop	2.5in SATA	Dual Compact Flash	Bootable SSD; RAID	2CF2SATAR
Laptop	SATA	Compact Flash	Bootable SSD	SAT2CF



1.8in Micro SATA to Compact
Flash Solid State Drive
Enclosure Adapter
CF2USAT18E

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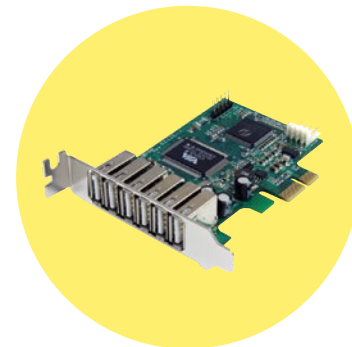


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Our USB 3.0 and 2.0 fully compliant cards facilitate fast and reliable access to USB devices for desktop and laptop systems.



2 Port ExpressCard SuperSpeed USB 3.0 Card Adapter
ECUSB3S2

LAPTOP/NOTEBOOK

# of Ports	Bus	Connection	Key Features	Part Number
2 Ports	CardBus	USB 2.0	32 bit CardBus	CBUSB22
4 Ports	CardBus	USB 2.0	32 bit CardBus	CB420USB
2 Ports	ExpressCard	USB 3.0	Up to 10x Faster than USB 2.0	ECUSB3S2
2 Ports	ExpressCard	USB 2.0	PC and MAC Compatible	EC230USB
4 Ports	ExpressCard	USB 2.0	PC and MAC Compatible	EC400USB



4 Port PCI High Speed USB 2.0 Adapter Card
PCI420USB

DESKTOP

# of Ports	Bus	Connection	Key Features	Part Number
3 Ports	PCI	USB 2.0	Standard Profile/Low Profile	PCI220USB/PCI220USBLP
5 Ports	PCI	USB 2.0	4 external + 1 Internal	PCI420USB
7 Ports	PCI	USB 2.0	6 external + 1 Internal; Servers	PCIUSB7
2 Ports	PCIe	USB 3.0	Up to 10x Faster than USB 2.0	PEXUSB3S2
2 Ports	PCIe	USB 3.0	Up to 10x Faster than USB 2.0; 1 Ext/1 Int	PEXUSB3S11
5 Ports	PCIe	USB 2.0	4 external + 1 Internal	PEX400USB2
4 Ports	PCIe	USB 2.0	Configured as Low Profile	PEXUSB4DP
4 Ports	PCIe	USB 2.0	4 Independent USB 2.0 Ports	PEXUSB400
7 Ports	PCIe	USB 2.0	6 external + 1 Internal; Servers; LP	PEXUSB7LP

FireWire Cards

Our Firewire 800 (1394b) and Firewire 400 (1394a) interface cards connect desktops and laptops to firewire enabled devices.



2 Port 1b 1a ExpressCard 34mm Laptop 1394 FireWire Adapter Card
EC13941A1B

LAPTOP/NOTEBOOK

# of Ports	Bus	Connection	Key Features	Part Number
3 Ports	CardBus	1394a	Includes DV Edit Kit	CB1394
2 Ports	CardBus	1394a	Includes DV Edit Kit	CB1394_2
2 Ports	ExpressCard	1394a/1394b	Includes DV Edit Kit	EC13941A1B
2 Ports	ExpressCard	1394a	Includes DV Edit Kit	EC1394A2
2 Ports	ExpressCard	1394a	TI Chipset	EC13942
2 Ports	ExpressCard	1394b	Up to 800 Mbps	EC1394B2



2 Port PCI Express 1394a FireWire Card
PEX1394A2

DESKTOP

# of Ports	Bus	Connection	Key Features	Part Number
3 Ports	PCI	1394a	Incl. DV Kit; Std or LP configurations	PCI1394_2/PCI1394_2LP
4 Ports	PCI	1394a	PC and Mac Compatible; LP Bracket	PCI1394MP
3 Ports	PCI	1394b/1394a	Two FW800; 3.3 or 5v slots	PCI1394B_3
4 Ports	PCIe	1394a	3 Ext + 1 Int; LP Bracket	PEX13943
2 Ports	PCIe	1394a	Single Chipset; LP Bracket	PEX1394A2
2 Ports	PCIe	1394a	Single Chipset; LP Bracket; DV Edit Kit	PEX1394A2DV
3 Ports	PCIe	1394b/1394a	Two FW800; Single Chipset; LP Bracket	PEX1394B3
3 Ports	PCIe	1394b/1394a	Two FW800; Single Chipset; LP Configured	PEX1394B3LP

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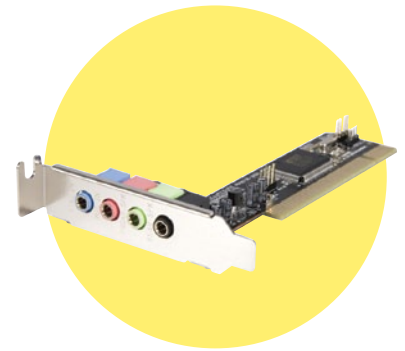
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PCI Express to PCI Adapter Card
PEX1PCI1

7.1 Channel PCI Digital Surround Sound Adapter Card - 24 bit
PCISOUND7

SLOT CONVERSION & EXPANSION

Host System	Host	Peripheral	Key Features	Part Number
Desktop/Server	PCI	Low Profile PCIe	Adapt LP PCIe to PCI	PCI1PEX1
Desktop/Server	PCIe	Low Profile PCI	Adapt LP PCI to PCIe	PEX1PCI1
Desktop/Server	PCI	Mini PCI	Adapt Mini PCI like Wireless Card	PCI2MPCIB
Desktop/Server	PCIe	ExpressCards	Use 34/54mm ExpressCard in PC	PEX2ECDP
Laptop	ExpressCard	CardBus	Use CB cards in EC equipped Laptop	CB2EC
Laptop	CardBus	ExpressCard (USB)	Use EC cards in older Laptops	EC2CBU
Desktop/Laptop	USB	ExpressCard (USB)	Use Broadband or USB EC in PC	ECU2USB
Desktop/Server	PCI	PCMCIA	Use single PCMCIA Cards in PC	PCI2PCMCIA1E
Desktop/Server	PCI	PCMCIA	Use two PCMCIA Cards in PC	PCI2PCMCIA2
Desktop/Server/Laptop	PCIe/EC	PCI/PCIe	2 PCI/2 PCIe Slot Expansion Box; EC2PCI for Laptops	PEX2PCIE4L
Desktop/Server/Laptop	PCIe/EC	PCI	4 PCI Slot Expansion Box; EC2PCI for Laptops	PEX2PCI4
Desktop/Server	PCIe x1	PCIe x1 - x16	Adapts LP PCIe Cards	PEX1TO162
1U/2U PC or Server	PCIe x1	PCIe x16	Install full size x16 Graphics Card in SFF System	PEX16RISER

SOUND CARDS & CONVERSION

Ports	Bus	Type	Key Features	Part Number
Audio Out, Line in, MIC, MIDI	PCI	4 Channel	Legacy Audio SBPro; Low Profile version	PCISOUND4CH/PCISOUND4LP
Audio Out, Line in, MIC	PCI	5.1 Channel	Legacy Audio SBPro; Low Profile version	PCISOUND5CH/PCISOUND5LP
Surround Out, Line in, MIC	PCI	7.1 Channel	SPDIF Digital Out	PCISOUND7
Surround Out, Line in, MIC	External USB	7.1 Channel	SPDIF Digital Out; Volume Controls	ICUSBAUDIO7D
Headphone/MIC	External USB	Audio Adapter	7.1 Channel (Virtual)	ICUSBAUDIO7
Headphone/MIC	External USB	Audio Adapter	Black	ICUSBAUDIOB
Headphone/MIC	External USB	Audio Adapter	White	ICUSBAUDIO

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