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THE **BEST** CONNECTION

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ST Lab

THE **BEST** CONNECTION

Product Catalogue 2019-2020

Sunrich Product Catalogue 2018 Size:630mm(W) x 210mm(H)

About Us ST Lab

Sunrich Technology (H.K) Ltd was founded by 3 young computer enthusiasts who had turned their passion into a lifelong commitment into the ever advancing computer peripheral industry.

Over the last 2 decades, our core competence has been developing, engineering and manufacturing products with new applications mainly related to computer hardwares, meeting the rapidly changing requirements in today's computer industry.

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Today, we are serving many leading brands around the world in full confidence, and yet are still striving to serve our customers progressively to new highs in terms of technological advancement, total customer satisfaction, and zero defect manufacturing.

Our strong R&D team designs and develops our own products, but also has jointly developing with customers for ODM/OEM projects. With a strong support from our engineering/production teams, you can be assured of the highest quality you would expect from a first class setting company.

Please send us your requirements today -- whether it is for our standard products or an OEM to manufacture products on your behalf, you will always have a satisfactory reply from Sunrich.

ST Lab
The Best Connection !

New Products

〉U-2030 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - GbE + 1x USB-A + Card Reader

Solution: VL103-Q4 + VL817 + RTL8153B + GL3224
USB 3.1 Gen 1 compliant
Data rate up to 5Gbps
1x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port
SD/MicroSD card reader
PD 3.0 pass through

〉U-2020 USB 3.1 Gen 1 Type-C Hub w/ Power Delivery - 1x USB-C + 2x USB-A

Solution: VL103-Q4 + VL817
USB 3.1 Gen 1 compliant
Data rate up to 5Gbps
1x USB-C + 2x USB-A
PD 3.0 pass through

〉U-2010 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + 1x USB-A

Solution: Chrontel CH7210A
USB Type-C DP Alt Mode
HDMI 2.0 compliant, up to 4Kx2K@30Hz
PD 3.0 pass through
1x USB-A

U-2030 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - GbE + 1x USB-A + SD/microSD Card Reader

U-2020 USB 3.1 Gen 1 Type-C Hub w/ Power Delivery - 1x USB-C + 2x USB-A

U-2010 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + 1x USB-A

U-2000 USB 3.1 Type-C to VGA Adapter w/ Power Delivery

U-1990 USB 3.1 Type-C to HDMI Adapter w/ Power Delivery - 4K 60Hz

U-1910 PCIe Dual Bus 4 Ports (2 Type-C + 2 Type-A) USB 3.1 Gen 2 Host Adapter

〉U-2000 USB 3.1 Type-C to VGA Adapter w/ Power Delivery

Solution: Chrontel CH7212A
USB Type-C DP Alt Mode
Up to 2048x1536@60Hz
PD 3.0 pass through

〉U-1990 USB 3.1 Type-C to HDMI Adapter w/ Power Delivery - 4K 60Hz

Solution: Chrontel CH7211A
USB Type-C DP Alt Mode
HDMI 2.0 compliant, up to 4Kx2K@60Hz
PD 3.0 pass through

〉U-1910 PCIe Dual Bus 4 Ports (2 Type-C + 2 Type-A) USB 3.1 Gen 2 Host Adapter

Solution: ASM3142
PCI-Express 2.0 x4
Complaint with Intel's eXtensible Host Controller Interface (xHCI)
Specification Revision 1.1
Supports simultaneous operation of multiple USB 3.1, USB 2.0 and USB 1.1 devices
Supports data rates 1.5Mbps/12Mbps/480Mbps/5Gbps/10Gbps
Supports 4 downstream ports for all speeds
Hot-swapping feature allows you to connect/disconnect devices without powering down the system

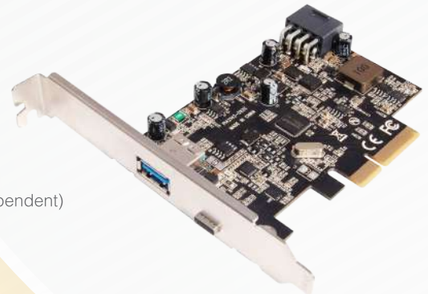
New Products

U-1900 PCIe Dual Bus 4 Ports USB 3.1 Gen 2 Host Adapter

〉U-1900 PCIe Dual Bus 4 Ports USB 3.1 Gen 2 Host Adapter
Solution: ASM3142
PCI-Express 2.0 x4
Complaint with Intel's eXtensible Host Controller Interface (xHCI) Specification Revision 1.1
Supports simultaneous operation of multiple USB 3.1, USB 2.0 and USB 1.1 devices
Supports the following speed data rates as follows:
Supports data rates 1.5Mbps/12Mbps/480Mbps/5Gbps/10Gbps
Hot-swapping feature allows you to connect/disconnect devices without powering down the system

U-1850 PCIe Dual Bus 4 Ports
(1 Type-C + 3 Type-A) USB 3.1 Gen 2 Host Adapter

〉U-1850 PCIe Dual Bus 4 Ports (1 Type-C + 3 Type-A) USB 3.1 Gen 2 Host Adapter
Solution: ASM3142
PCI-Express 2.0 x4
Complaint with Intel's eXtensible Host Controller Interface (xHCI) Specification Revision 1.1
Supports simultaneous operation of multiple USB 3.1, USB 2.0 and USB 1.1 devices
Supports the following speed data rates as follows:
Supports data rates 1.5Mbps/12Mbps/480Mbps/5Gbps/10Gbps
Hot-swapping feature allows you to connect/disconnect devices without powering down the system



U-1840 PCIe 2 Ports (Type-A + Type-C)
USB 3.1 Gen 2 Host Adapter + 100W Power Delivery

〉U-1840 PCIe 2 Ports (Type-A + Type-C) USB 3.1 Gen 2 Host Adapter + 100W Power Delivery
Solution: ASM3142
Support 2 ports of USB3.1
Support PCI Express Gen-Ⅲ x2
Compliant with PCI Express Base 3.0 Specification
Compliant with USB Specification Revision 2.0
Compliant with USB 3.1 Specification Revision 1.0
Up to USB3.1 Gen-Ⅱ 10Gbps Bandwidth Performance with Low Latency
Backward Compatible with USB 3.0/2.0/1.1 Interface
Compliant with USB Power Delivery 2.0 and USB Type-C Revision 1.2 (model dependent)
USB Type-C Power Delivery port for charging notebook, tablets or smartphones (model dependent)
Support Over Current Detection
15-pin SATA Power Connector or 2x4 Auxiliary Power Connector (model dependent)

U-1920 USB 3.1 Gen 1 Type-C 2.5G 4-Speed
Multi-Gigabit Ethernet Adapter

U-1880 USB 3.1 Gen 1 Type-C 5G 4-Speed
Multi-Gigabit Ethernet Adapter

N-640 PCIe 2.5G 4-Speed Multi-Gigabit Network Adapter

New Products

〉U-1920 USB 3.1 Gen 1 Type-C 2.5G 4-Speed Multi-Gigabit Ethernet Adapter
Solution: Realtek RTL8156
Supports USB 3.1 Gen1，2.0and1.0
Works with the newest MacBook and other laptop and desktop computers
with a USB-C port
Supports 10/100/1000/2500Mbps Ethernet
Supports IEEE 802.1Q VLAN tagging
Supports IEEE 802.3az(Energy Efficient Ethernet)
Supports IEEE 802.3bz(2.5GBASE-T)
Supports Full Dup;ex flow control (IEEE 802.3x)
Downstream port: RJ45
Up to 16KB jumbo frames

〉U-1880 USB 3.1 Gen 1 Type-C 5G 4-Speed Multi-Gigabit Ethernet Adapter
Solution: Aquantia AQC111U
Compliant with Universal Serial Bus 3.1 Gen1 Specification, Revision 1.0
Compatible with USB Specification, Revision 2.0
Works with the newest MacBook and other laptop and desktop computers
with a USB-C port
Supports 100/1000/2500/5000Mbps Ethernet
Supports full duplex operation with IEEE 802.3x flow control and half duplex operation
with back-pressure flow control
Compatible with NBASE-T Alliance PHY， IEEE 802.3bz
Supports advanced link down power saving when Ethernet cable is unplugged
LEDs indicate the status of Power status and Ethernet connection
Downstream port: RJ45
Up to 9KB jumbo frames

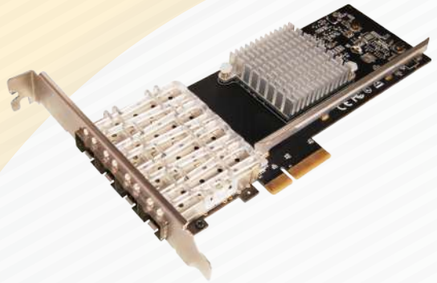
〉N-640 PCIe 2.5G 4-Speed Multi-Gigabit Network Adapter
Solution: RTL8152
Designed to meet PCI Express Specification Revision 2.1
Support PCIe 2.0 interface for PC products
Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Supports 10/100/1000M data auto-negotiation
Supports 100/1000/2500Mbps Ethernet
LEDs indicate the status of including Link/Activity (Green)
port: RJ45

New Products

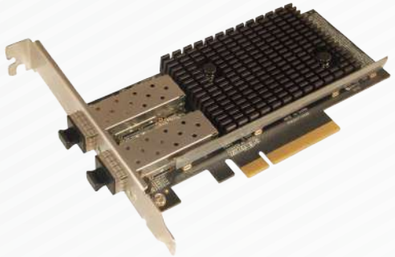
〉N-630 Intel PCIe 4-Port SFP Gigabit Network Adapter
Solution: Intel I350-AM4
Quad port full height 1G adapter
Supports common 1G SFP optical and Direct Attached Copper modules
EEE (Energy Efficient Ethernet)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 2.0
Four lanes (x4) PCI Express compatible with x8 and x16 PCI Express slots
IEEE 802.1Q Tagged VLAN
Intel PROSet Utility for Microsoft Device Manager

〉N-610 Intel PCIe 2-Port 25G SFP28 Network Adapter
Solution: XXV710-AM2
Supports common 25GbE SFP
Energy Efficient Ethernet (EEE)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 3.0
Eight lane (x8) PCI Express compatible with x8 (or higher) slots
Intel PROSet Utility for Microsoft Device Manager
IEEE 802.1Q
IEEE 802.3
IEEE 802.3.az

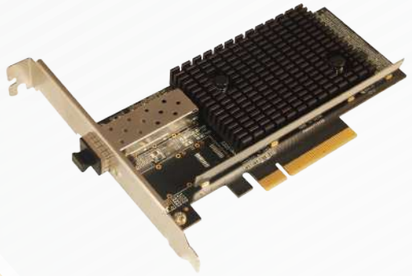
〉N-600 Intel PCIe 1-Port 25G SFP28 Network Adapter
Solution: XXV710-AM1
Supports common 25GbE SFP
Energy Efficient Ethernet (EEE)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 3.0
Eight lane (x8) PCI Express compatible with x8 (or higher) slots
Intel PROSet Utility for Microsoft Device Manager
IEEE 802.1Q
IEEE 802.3
IEEE 802.3.az



N-630 Intel PCIe 4-Port SFP Gigabit Network Adapter



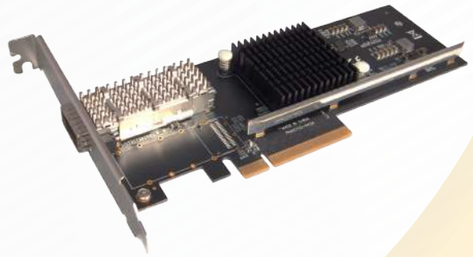
N-610 Intel PCIe 2-Port 25G SFP28 Network Adapter



N-600 Intel PCIe 1-Port 25G SFP28 Network Adapter

N-590 Intel PCIe 4-Port Gigabit Server Adapter with LAN Bypass

N-570 Intel PCIe 2-Port 40G QSFP+ Network Controller Card



N-560 Intel PCIe 1-Port 40G QSFP+ Network Controller Card

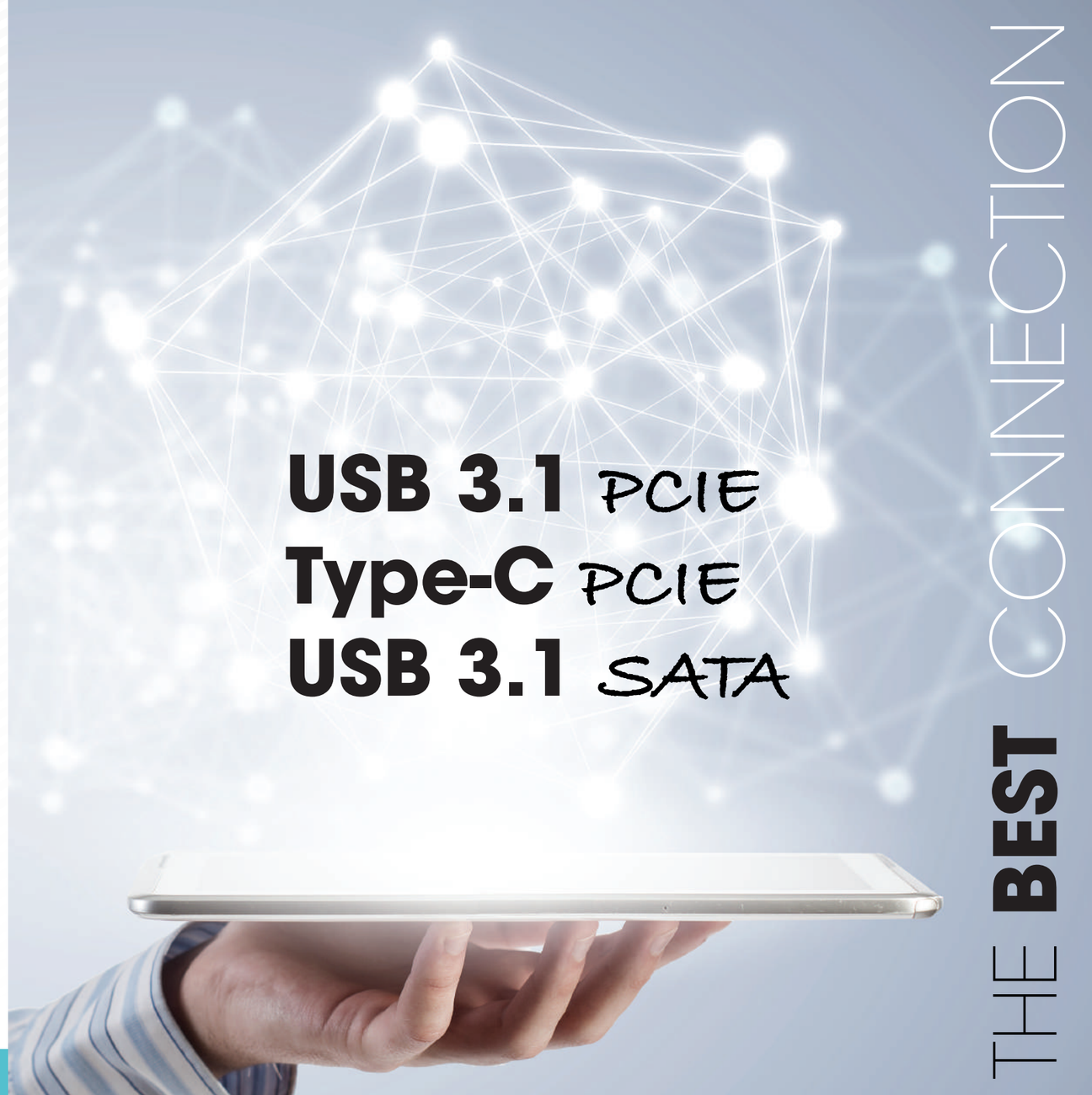
New Products

〉N-590 Intel PCIe 4-Port Gigabit Server Adapter with LAN Bypass
Solution: Intel I350-AM4
Four 10/100/1000Mbps compatible RJ-45 Ethernet ports
Four-lane (or x4) PCI Express compatible with x4, x8 and x16 PCI Express slots
Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Supports 10/100/1000M data auto-negotiation
Up to 9KB Jumbo frames
LAN Bypass

〉N-570 Intel PCIe 2-Port 40G QSFP+ Network Controller Card
Solution: XL710-BM2
Supports common 40GbE SFP
Energy Efficient Ethernet (EEE)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 3.0
Eight lane (x8) PCI Express compatible with x8 (or higher) slots
IEEE 802.1Q Tagged VLAN
IEEE 802.3ba 40GBASE-SR4
IEEE 802.3ba 40GBASE-LR4
Intel PROSet Utility for Microsoft Device Manager

〉N-560 Intel PCIe 1-Port 40G QSFP+ Network Controller Card
Solution: XL710-BM1
Supports common 40GbE SFP
Energy Efficient Ethernet (EEE)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 3.0
Eight lane (x8) PCI Express compatible with x8 (or higher) slots
IEEE 802.1Q Tagged VLAN
IEEE 802.3ba 40GBASE-SR4
IEEE 802.3ba 40GBASE-LR4
Intel PROSet Utility for Microsoft Device Manager

MEMO



USB3.1 PCIE

〉U-1800 PCIe 2 Ports (2 Type-C) USB 3.1 Gen 2 Host Adapter
Solution: ASM3142
Support 2 ports of USB3.1
Support PCI Express Gen-Ⅲ x2
Compliant with PCI Express Base 3.0 Specification
Compliant with USB Specification Revision 2.0
Compliant with USB 3.1 Specification Revision 1.0
Up to USB3.1 Gen-Ⅱ 10Gbps Bandwidth Performance with Low Latency
Backward Compatible with USB 3.0/2.0/1.1 Interface
Compliant with USB Power Delivery 2.0 and USB Type-C Revision 1.2
USB Type-C Power Delivery port for charging notebook, tablets or smartphones
Support Over Current Detection
15-pin SATA Power Connector or 2x4 Auxiliary Power Connector

U-1800 PCIe 2 Ports (2 Type-C) USB 3.1 Gen 2 Host Adapter

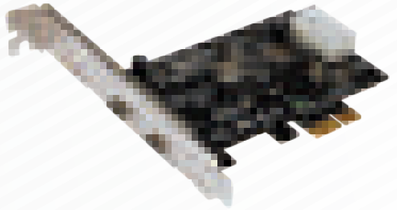
〉U-1790 PCIe 1+1 Ports (2 Type-A) USB 3.1 Gen2 Host Adapter
Solution: ASM3142
Support 2 ports of USB3.1
Support PCI Express Gen-Ⅲ x2
Compliant with PCI Express Base 3.0 Specification
Compliant with USB Specification Revision 2.0
Compliant with USB 3.1 Specification Revision 1.0
Up to USB3.1 Gen-Ⅱ 10Gbps Bandwidth Performance with Low Latency
Backward Compatible with USB 3.0/2.0/1.1 Interface
Support Over Current Detection
15-pin SATA Power Connector or 2x4 Auxiliary Power Connector

U-1790 PCIe 1+1 Ports (2 Type-A) USB 3.1 Gen2 Host Adapter

〉U-1780 PCIe 2 Ports (2 Type-A) USB 3.1 Gen 2 Host Adapter
Solution: ASM3142
Support 2 ports of USB3.1
Support PCI Express Gen-Ⅲ x2
Compliant with PCI Express Base 3.0 Specification
Compliant with USB Specification Revision 2.0
Compliant with USB 3.1 Specification Revision 1.0
Up to USB3.1 Gen-Ⅱ 10Gbps Bandwidth Performance with Low Latency
Backward Compatible with USB 3.0/2.0/1.1 Interface
Support Over Current Detection
15-pin SATA Power Connector or 2x4 Auxiliary Power Connector

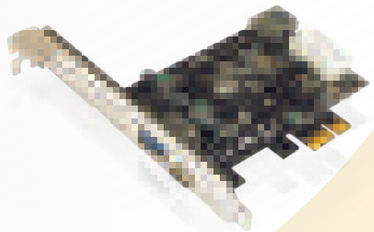
U-1780 PCIe 2 Ports (2 Type-A) USB 3.1 Gen 2 Host Adapter

U-1770 PCIe 2 Ports (Type-A + Type-C) USB 3.1 Gen 2 Host Adapter



U-1440 PCIe 2 Ports (2 Type-C) USB 3.1 Gen 1 Host Adapter

U-1340 PCIe 3 Ports (2 Type-A + 1 Type-C) USB 3.1 Gen1 Host Adapter



U-1330 PCIe 2+1 Ports (2 Type-A + 1 Type-C) USB 3.1 Gen1 Host Adapter

Type-C PCIe

〉U-1770 PCIe 2 Ports (Type-A + Type-C) USB 3.1 Gen 2 Host Adapter
Solution: ASM3142
Support 2 ports of USB3.1
Support PCI Express Gen-Ⅲ x2
Compliant with PCI Express Base 3.0 Specification
Compliant with USB Specification Revision 2.0
Compliant with USB 3.1 Specification Revision 1.0
Up to USB3.1 Gen-Ⅱ 10Gbps Bandwidth Performance with Low Latency
Backward Compatible with USB 3.0/2.0/1.1 Interface
Compliant with USB Power Delivery 2.0 and USB Type-C Revision 1.2
USB Type-C Power Delivery port for charging notebook, tablets or smartphones
Support Over Current Detection
15-pin SATA Power Connector or 2x4 Auxiliary Power Connector

〉U-1330 PCIe 2+1 Ports (2 Type-A + 1 Type-C) USB 3.1 Gen1 Host Adapter
Solution: VIA VL805
Compliant with USB 3.1 Gen1
Data transfer rate up to 5Gbps
1 x External USB Type-A connector
1 x External USB Type-C connector
1 x Internal USB Type-A connector

〉U-1340 PCIe 3 Ports (2 Type-A + 1 Type-C) USB 3.1 Gen1 Host Adapter
Solution: VIA VL805
Compliant with USB 3.1 Gen1
Data transfer rate up to 5Gbps
2 x External USB Type-A
1 x External USB Type-C

〉U-1440 PCIe 2 Ports (2 Type-C) USB 3.1 Gen 1 Host Adapter
Solution: VIA VL805
Compliant with USB 3.1 Gen1
Data transfer rate up to 5Gbps
2 x External USB Type-C

USB 3.1 SATA

› **U-1150 USB 3.1 Gen2 Type-C to SATA 6G Adapter**
› **U-1040 USB 3.1 Gen2 Type-A to SATA 6G Adapter**
Solution: Asmedia ASM1351
Compliant with USB 3.1 specification Revision 1.0
Data transfer rate up to 10Gbps
Direct attachment to 2.5”, 3.5” SATA HDD or SSD
Real PnP with no drivers needed for Windows and Mac OS

U-1150 USB 3.1 Gen2 Type-C to SATA 6G Adapter
U-1040 USB 3.1 Gen2 Type-A to SATA 6G Adapter

› **U-1160 USB 3.1 Gen2 Type-C to SATA 6G Adapter**
› **U-1050 USB 3.1 Gen2 Type-A to SATA 6G Adapter**
Solution: Asmedia ASM1351
Compliant with USB 3.1 specification Revision 1.0
Data transfer rate up to 10Gbps
Direct attachment to 2.5”, 3.5” SATA HDD or SSD
Real PnP with no drivers needed for Windows and Mac OS

U-1260 USB 3.1 Gen2 Type-C to 2.5" SATA 6G Adapter
U-1400 USB 3.1 Gen2 Type-A to 2.5" SATA 6G Adapter

› **U-1260 USB 3.1 Gen2 Type-C to 2.5" SATA 6G Adapter**
› **U-1400 USB 3.1 Gen2 Type-A to 2.5" SATA 6G Adapter**
Solution: Asmedia ASM1351
Compliant with USB 3.1 specification Revision 1.0
Data transfer rate up to 10Gbps
Direct attachment to 2.5” SATA HDD or SSD
Real PnP with no drivers needed for Windows and Mac OS
Tiny Design

U-1160 USB 3.1 Gen2 Type-C to SATA 6G Adapter
U-1050 USB 3.1 Gen2 Type-A to SATA 6G Adapter

Type-C Products

- Graphics
- Dock
- Hub
- Network

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〉U-2160 USB 3.1 Type-C Dual Display Adapter w/ Power Delivery - 4K 30Hz HDMI + VGA

Solution: VL103-Q4 + AG6320
USB Type-C DP Alt Mode
HDMI 1.4 compliant, up to 4Kx2K@30Hz
VGA up to 1920x1200
PD 3.0 pass through

〉U-2150 USB 3.1 Type-C Dual Display Adapter - 4K 30Hz HDMI + VGA

Solution: AG9320
USB Type-C DP Alt Mode
HDMI 1.4 compliant, up to 4Kx2K@30Hz
VGA up to 1920x1200

〉U-2070 USB 3.1 Type-C to DVI Adapter w/ Power Delivery

Solution: Chrontel CH7210A
USB Type-C DP Alt-mode
Up to 1920x1200
PD 3.0 pass through

〉U-2060 USB 3.1 Type-C to DisplayPort Adapter w/ Power Delivery

Solution: VL103-Q4
USB Type-C DP Alt-mode
DP 1.2, up to 4Kx2K@60Hz
PD 3.0 pass through

U-2160 USB 3.1 Type-C Dual Display Adapter w/ Power Delivery - 4K 30Hz HDMI + VGA

U-2150 USB 3.1 Type-C Dual Display Adapter - 4K 30Hz HDMI + VGA

U-2070 USB 3.1 Type-C to DVI Adapter w/ Power Delivery

U-2060 USB 3.1 Type-C to DisplayPort Adapter w/ Power Delivery

U-2050 USB 3.1 Type-C to DisplayPort Adapter

U-2040 USB 3.1 Type-C to HDMI Adapter w/ Power Delivery - 4K 30Hz

U-1970 USB 3.1 Type-C to DVI Adapter

U-1960 USB 3.1 Type-C to VGA Adapter

〉U-2050 USB 3.1 Type-C to DisplayPort Adapter

Solution: VL103-Q3
USB Type-C DP Alt-mode
DP 1.2, up to 4Kx2K@60Hz

〉U-2040 USB 3.1 Type-C to HDMI Adapter w/ Power Delivery - 4K 30Hz

Solution: Chrontel CH7210A
USB Type-C DP Alt Mode
HDMI 2.0 compliant, up to 4Kx2K@30Hz
PD 3.0 pass through

〉U-1970 USB 3.1 Type-C to DVI Adapter

Solution: Algoltek AG9310
Embedded 16 bit MCU
EDID and MCCS pass-through supported
Supports Hot Plug Detection
External SPI flash supported for firmware upgrade
Embedded HDCP 1.4 supported
supports 4K@30Hz output
2KV ESD performance
Down Spread Spectrum Clock (SSC) supported

〉U-1960 USB 3.1 Type-C to VGA Adapter

Solution: Algoltek AG9300
Embedded 16 bit MCU
Compatible with USB Specification, Revision 2.0
EDID and MCCS pass-through supported
Supports Hot Plug Detection
External SPI flash supported for firmware upgrade
Compatible with NBASE-T Alliance PHY， IEEE 802.3bz
Embedded HDCP 1.4 supported
Simultaneously display via VGA outputs
2KV ESD performance
supports up to 1080P@60Hz output

U-1950 USB 3.1 Type-C to HDMI Adapter - 4K 30Hz
Solution: Algoltek AG9310
Embedded 16 bit MCU
EDID and MCCS pass-through supported
Supports Hot Plug Detection
External SPI flash supported for firmware upgrade
Embedded HDCP 1.4 supported
HDMI 1.4b TX supports 4K@30Hz output
2KV ESD performance
Down Spread Spectrum Clock (SSC) supported

U-1940 USB 3.1 Type-C to HDMI Adapter - 4K 60Hz
Solution: Lontium LT8711EH-C
Compliant with USB Power Delivery Specification R2.0, V1.0
Compatible with USB Type-C Cable and Connector Specification R1.2
Compliant with HDMI 1.4b Alt Mode on USB Type-C Specification V1.0
Compliant with HDMI2.0, HDMI1.4 and DVI1.0
Compliant with HDCP2.2 and HDCP1.4
IData rate up to 6Gbps
Support UHD 4k@60Hz(RGB and YCbCr 4:4:4)
ESD 4kV HBM
No need to install drivers

U-1310 USB 3.1 Gen1 Type-C to HDMI Adapter
Solution: DisplayLink DL3500
Compliant with USB 3.0 Specifications
1080p High Resolution Solution Support
Supports resolutions up to 2048x1152 @ 32bit color
Supports Primary/Extend or Mirror Display mode

U-1300 USB 2.0 Type-C to HDMI Adapter
Solution: DisplayLink DL-165-1
Compliant with USB Specification Revision 2.0
Resolution: up to 1920 x 1080 @ 32-bit color
Supports Primary/Extend or Mirror Display mode

U-1950 USB 3.1 Type-C to HDMI Adapter - 4K 30Hz
U-1940 USB 3.1 Type-C to HDMI Adapter - 4K 60Hz

U-1310 USB 3.1 Gen1 Type-C to HDMI Adapter

U-1300 USB 2.0 Type-C to HDMI Adapter

U-1420 USB 3.1 Gen 1 Type-C to HDMI 4K Adapter
Solution: DisplayLink DL5500
An ideal solution for expanding the connectivity of MacBook or USB-C enabled host machine
Highest performance USB graphics solution available. Combines both video and audio over a single USB cable and HDMI cable
Connects multiple monitors with resolution as high as 3840x2160 (4K) to Windows-based laptops and desktops
Connects to Windows PCs via SuperSpeed USB 3.0. USB bus power (no power adapter required). Adapter is backward compatible with USB 2.0, but in most cases performance above 1080P over USB 2.0 will be unsatisfactory
Supports HDMI displays up to 3840x2160@30Hz. 3440x1440 displays will refresh at 50Hz. 2560X1600, 1920x1080 (1080P) and all lower modes will refresh at 60Hz

U-1410 USB 3.1 Gen 1 Type-C to DisplayPort 4K Adapter
Solution: DisplayLink DL5500
An ideal solution for expanding the connectivity of MacBook or USB-C enabled host machine
Highest performance USB graphics solution available. Combines both video and audio over a single USB cable and DisplayPort cable
Connects multiple monitors with resolution as high as 3840x2160 (4K) to Windows-based laptops and desktops
Connects to Windows PCs via SuperSpeed USB 3.0. USB bus power (no power adapter required). Adapter is backward compatible with USB 2.0, but in most cases performance above 1080P over USB 2.0 will be unsatisfactory
Supports DisplayPort display up to 3840x2160@30Hz. 3440x1440 displays will refresh at 50Hz. 2560X1600, 2560x1440, 1920x1080 (1080P) and all lower modes will refresh at 60Hz

U-1410 USB 3.1 Gen 1 Type-C to DisplayPort 4K Adapter

U-1420 USB 3.1 Gen 1 Type-C to HDMI 4K Adapter

Type-C Dock

〉U-2240 USB 3.1 Gen 1 Type-C Multiport Adapter w/ Power Delivery - GbE + 1x USB-C + 1x USB-A

Solution: VL103-Q4 + VL817 + RTL8153B
USB 3.1 Gen 1 compliant
Data rate up to 5Gbps
1x USB-C + 1x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port
PD 3.0 pass through

〉U-2230 USB 3.1 Gen 1 Type-C Multiport Adapter - GbE + 1x USB-C + 1x USB-A + SD/microSD Reader

Solution: VL817 + RTL8153B + GL3224
USB 3.1 Gen 1 compliant
Data rate up to 5Gbps
1x USB-C + 1x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port
SD/MicroSD card reader

〉U-2220 USB 3.1 Gen 1 Type-C Multiport Adapter - GbE + 1x USB-C + 2x USB-A

Solution: VL817 + RTL8153B
USB 3.1 Gen 1 compliant
Data rate up to 5Gbps
1x USB-C + 2x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port

〉U-2200 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + DVI + VGA + GbE + 2x USB-A + SD/microSD Card Reader

Solution: VL103-Q4 + VL817 + AG6320 + RTL8153B+ GL3224
10M/100M/1Gbps compatible RJ-45 Ethernet port
USB Type-C DP Alt Mode
HDMI 1.4 compliant, up to 4Kx2K@30Hz
DP 1.2, up to 4Kx2K@60Hz
VGA up to 1920x1200
PD 3.0 pass through
SD/MicroSD card reader

U-2240 USB 3.1 Gen 1 Type-C Multiport Adapter w/ Power Delivery - GbE + 1x USB-C + 1x USB-A

U-2230 USB 3.1 Gen 1 Type-C Multiport Adapter - GbE + 1x USB-C + 1x USB-A + SD/microSD Reader

U-2220 USB 3.1 Gen 1 Type-C Multiport Adapter - GbE + 1x USB-C + 2x USB-A

U-2200 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + DVI + VGA + GbE + 2x USB-A + SD/microSD Card Reader

U-2190 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + VGA + GbE + 2x USB-A + SD/microSD Card Reader

U-2180 USB 3.1 Type-C Multi-Display Adapter w/ Power Delivery - 4K 30Hz HDMI + DVI + VGA

U-2170 USB 3.1 Type-C Multi-Display Adapter - 4K 30Hz HDMI + DVI + VGA

U-2140 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + VGA + GbE + 1x USB-C + 2x USB-A

Type-C Dock

〉U-2190 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + VGA + GbE + 2x USB-A + SD/microSD Card Reader

Solution: VL103-Q4 + VL817 + AG6320 + RTL8153B+ GL3224
2x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port
USB Type-C DP Alt Mode
HDMI 1.4 compliant, up to 4Kx2K@30Hz
VGA up to 1920x1200
PD 3.0 pass through
SD/MicroSD card reader

〉U-2180 USB 3.1 Type-C Multi-Display Adapter w/ Power Delivery - 4K 30Hz HDMI + DVI + VGA

Solution: VL103-Q4 + AG6320
USB Type-C DP Alt-mode
HDMI 1.4 compliant, up to 4Kx2K@30Hz
DP 1.2, up to 4Kx2K@60Hz
VGA up to 1920x1200
PD 3.0 pass through

〉U-2170 USB 3.1 Type-C Multi-Display Adapter - 4K 30Hz HDMI + DVI + VGA

Solution: VL103-Q3 + AG6320
USB Type-C DP Alt-mode
HDMI 1.4 compliant, up to 4Kx2K@30Hz
DP 1.2, up to 4Kx2K@60Hz
VGA up to 1920x1200

〉U-2140 USB 3.1 Type-C Multiport Adapter w/ Power Delivery - 4K 30Hz HDMI + VGA + GbE + 1x USB-C + 2x USB-A

Solution: VL103-Q4 + VL817 + AG6320 + RTL8153B
1x USB-C + 2x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port
USB Type-C DP Alt Mode
HDMI 1.4 compliant, up to 4Kx2K@30Hz
VGA up to 1920x1200
PD 3.0 pass through

Type-C Dock

〉 **U-2130 USB 3.1 Type-C Multiport Adapter w/ Power Delivery**
- 4K 30Hz HDMI + GbE + 1x USB-C + 2x USB-A + SD/microSD Card Reader
Solution: CH7210A + VL817 + RTL8153B + GL3224
1x USB-C + 2x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port
USB Type-C DP Alt Mode
HDMI 2.0 compliant, up to 4Kx2K@30Hz
PD 3.0 pass through
SD/MicroSD card reader

〉 **U-2120 USB 3.1 Type-C Multiport Adapter w/ Power Delivery**
- 4K 30Hz HDMI + GbE + 2x USB-A
Solution: CH7210A + VL817 + RTL8153B
2x USB-A
10M/100M/1Gbps compatible RJ-45 Ethernet port
USB Type-C DP Alt Mode
HDMI 2.0 compliant, up to 4Kx2K@30Hz
PD 3.0 pass through

〉 **U-2110 USB 3.1 Type-C Multiport Adapter w/ Power Delivery**
- 4K 30Hz HDMI + 1x USB-C + 2x USB-A
Solution: CH7210A + VL817
1x USB-C + 2x USB-A
USB Type-C DP Alt Mode
HDMI 2.0 compliant, up to 4Kx2K@30Hz
PD 3.0 pass through

〉 **U-2100 USB 3.1 Type-C Multiport Adapter w/ Power Delivery**
- DVI + 1x USB-A
Solution: Chrontel CH7210A
1x USB-A
USB Type-C DP Alt-mode
Up to 1920x1200
PD 3.0 pass through

U-2130 USB 3.1 Type-C Multiport Adapter w/ Power Delivery
- 4K 30Hz HDMI + GbE + 1x USB-C + 2x USB-A + SD/microSD Card Reader

U-2120 USB 3.1 Type-C Multiport Adapter w/ Power Delivery
- 4K 30Hz HDMI + GbE + 2x USB-A

U-2110 USB 3.1 Type-C Multiport Adapter w/ Power Delivery
- 4K 30Hz HDMI + 1x USB-C + 2x USB-A

U-2100 USB 3.1 Type-C Multiport Adapter w/ Power Delivery
- DVI + 1x USB-A

U-2090 USB 3.1 Type-C Multiport Adapter w/ Power Delivery
- DisplayPort + 1x USB-A

U-2080 USB 3.1 Type-C Multiport Adapter w/ Power Delivery
- VGA + 1x USB-A

U-1210 USB 3.1 Gen1 Type-C Hub + Gigabit Ethernet Docking Station

U-1200 USB 3.1 Gen1 Type-C Hub + HDMI + Gigabit Ethernet Mini Docking Station

Type-C Dock

〉 **U-2090 USB 3.1 Type-C Multiport Adapter w/ Power Delivery**
- DisplayPort + 1x USB-A
Solution: VL103-Q4
1x USB-A
USB Type-C DP Alt-mode
DP 1.2, up to 4Kx2K@60Hz
PD 3.0 pass through

〉 **U-2080 USB 3.1 Type-C Multiport Adapter w/ Power Delivery**
- VGA + 1x USB-A
Solution: Chrontel CH7212A
1x USB-A
USB Type-C DP Alt Mode
Up to 2048x1536@60Hz
PD 3.0 pass through

〉 **U-1210 USB 3.1 Gen1 Type-C Hub + Gigabit Ethernet Docking Station**
Solution: VIA VL811 + Asix AX88179
Compliant with USB 3.0 Specifications
3 x USB 3.0 Ports
1 x Gigabit Ethernet Port
Data transfer rate up to 5Gbps
All USB ports support BC 1.2 Fast Charging

〉 **U-1200 USB 3.1 Gen1 Type-C Hub + HDMI + Gigabit Ethernet Mini Docking Station**
Solution: DisplayLink DL3700 + Genesys GL3521
Compliant with USB 3.0 Specifications
1 x HDMI Output
1 x USB 3.0 Port
1 x Gigabit Ethernet Port
1080p High Resolution Solution Support
All USB Ports support BC 1.2 Fast Charging

Type-C Dock

〉U-1180 USB 3.1 Gen1 Type-C Hub+HDMI+DVI+Gigabit Ethernet+Audio+Card Reader Docking Station

Solution: DisplayLink DL3900 + VIA VL811 + Genesys GL3221
Compliant with USB 3.0 Specifications
5x USB 3.0 downstream ports
1x DVI Output
1x HDMI Output
1x Audio Out
1x Mic. in
1x Gigabit LAN
1x SD card slot
1x microSD card slot
All USB ports support BC 1.2 Fast Charging

〉U-1170 USB 3.1 Gen1 Type-C Hub+HDMI+DVI+ Gigabit Ethernet+Audio Docking Station

Solution: DisplayLink DL3900 + VIA VL811
Compliant with USB 3.0 Specifications
6x USB 3.0 downstream ports
1x DVI Output
1x HDMI Output
1x Audio Out
1x Mic. in
1x Gigabit LAN
All USB ports support BC 1.2 Fast Charging

U-1170 USB 3.1 Gen1 Type-C Hub+HDMI+DVI+ Gigabit Ethernet+Audio Docking Station

U-1180 USB 3.1 Gen1 Type-C Hub+HDMI+DVI+Gigabit Ethernet+Audio+Card Reader Docking Station

Type-C Hub

U-2210 USB 3.1 Gen 1 Type-C Hub - 1x USB-C + 3x USB-A

U-1250 USB 3.1 Gen1 Type-C 4-Port Hub

U-1220 USB 3.1 Gen1 Type-C 4-Port Hub

〉U-2210 USB 3.1 Gen 1 Type-C Hub - 1x USB-C + 3x USB-A

Solution: VL817
USB 3.1 Gen 1 compliant
Data rate up to 5Gbps
1x USB-C + 3x USB-A

〉U-1250 USB 3.1 Gen1 Type-C 4-Port Hub

Solution: VIA VL812
Compliant with USB 3.0 Specifications
Tiny Design
Add 4 USB 3.0 Ports
Data transfer rate up to 5Gbps
All USB ports support BC 1.2 Fast Charging

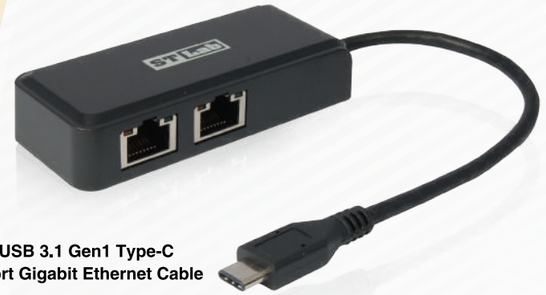
〉U-1220 USB 3.1 Gen1 Type-C 4-Port Hub

Solution: VIA VL810
Compliant with USB 3.0 Specifications
Add 4 USB 3.0 Ports
Data transfer rate up to 5Gbps
All USB ports support BC 1.2 Fast Charging
Over current protection

Type-C Network

U-1230 USB 3.1 Gen1 Type-C to Gigabit Ethernet Adapter

› **U-1230 USB 3.1 Gen1 Type-C to Gigabit Ethernet Adapter**
Solution: Asix AX88179
Compliant with USB 3.0 Specifications
Gigabit Ethernet Connection
IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX and 1000BASE-T) compatible
Aluminium + Plastic Case



U-1240 USB 3.1 Gen1 Type-C Dual Port Gigabit Ethernet Cable

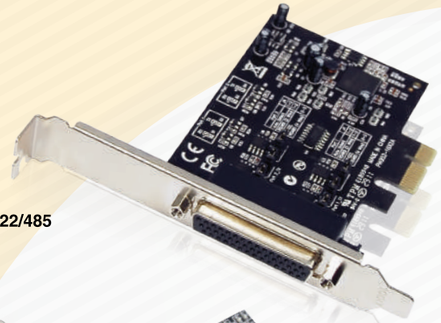
› **U-1240 USB 3.1 Gen1 Type-C Dual Port Gigabit Ethernet Cable**
Solution: Realtek RTL8153
Compliant with USB 3.0 Specifications
Add two independent RJ-45 Ports
Each RJ45 port supports 10/100/1000 Mbps Ethernet and is fully compatible with IEEE 802.3i/u/ab standards

› **U-1320 USB 3.1 Gen1 Type-C to Gigabit Ethernet Adapter**
Solution: Realtek RTL8153
Compliant with USB 3.0 Specifications
Gigabit Ethernet Connection
IEEE 802.3, 802.3u and 802.3ab (10BASE-T, 100BASE-TX and 1000BASE-T) compatible
Plastic Case

U-1320 USB 3.1 Gen1 Type-C to Gigabit Ethernet Adapter

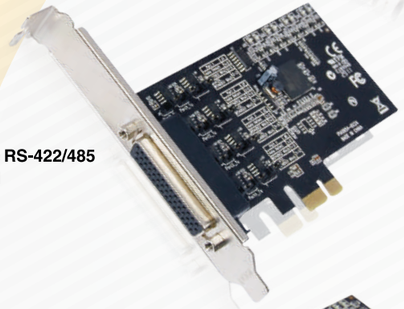
IPC Products

THE **BEST** CONNECTION



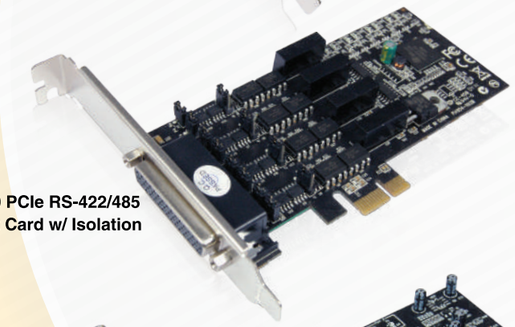
IP-120 PCIe RS-422/485
2-Port Card

IP-120 PCIe RS-422/485 2-Port Card
Solution: Oxford OXPCIe952
Compliant with PCI Express Base Specification 1.1
RS-422 and RS-485 auto detect and switching
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
±15KV ESD protection on all signal pins



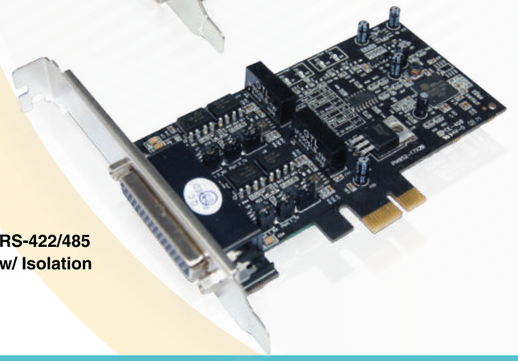
IP-130 PCIe RS-422/485
4-Port Card

IP-130 PCIe RS-422/485 4-Port Card
Solution: Oxford OXPCIe954
Compliant with PCI Express Base Specification 1.1
RS-422 and RS-485 auto detect and switching
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
±15KV ESD protection on all signal pins



IP-170 PCIe RS-422/485
4-Port Card w/ Isolation

IP-160 PCIe RS-422/485 2-Port Card w/ Isolation
Solution: Oxford OXPCIe952
Compliant with PCI Express Base Specification 1.1
RS-422 and RS-485 auto detect and switching
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
2KV isolation protection for all signal and power
±15KV ESD protection on all signal pins



IP-160 PCIe RS-422/485
2-Port Card w/ Isolation

IP-170 PCIe RS-422/485 4-Port Card w/ Isolation
Solution: Oxford OXPCIe954
Compliant with PCI Express Base Specification 1.1
RS-422 and RS-485 auto detect and switching
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
2KV isolation protection for all signal and power
±15KV ESD protection on all signal pins

IU-130 Industrial
USB 3.0 4-Port Hub

IPC Products

IU-140 Industrial
USB 3.0 7-Port Hub

IC-100 RS-232 to
RS-422/485 Converter

IU-140 Industrial USB 3.0 7-Port Hub
Solution: VIA VL811+
Compliant with USB 3.0 Specifications
Data transfer rate up to 5Gbps
±20KV ESD protection on all signal and power pins
Fuse protection on all signal and power pins
Terminal Block power input support from 9 up to 40VDC
Reversible power input polarity
Metal chassis

IU-130 Industrial USB 3.0 4-Port Hub
Solution: VIA VL811+
Compliant with USB 3.0 Specifications
Data transfer rate up to 5Gbps
±20KV ESD protection on all signal and power pins
Fuse protection on all signal and power pins
Terminal Block power input support from 9 up to 40VDC
Reversible power input polarity
Metal chassis

IC-100 RS-232 to RS-422/485 Converter
Solution: Discrete Logic
Compliant with USB 2.0 Specifications
RS-232 to RS-422 conversion with RTS/CTS support
RS-232 to 2/4-wire RS-485 conversion
RS-422 and RS-485 auto detect and switching
PWR, Tx and Rx LED indicators
±15KV ESD protection on all signal pins
Metal chassis

IPC Products

› IU-100 USB 2.0 to RS-422/485 Adapter
Solution: FTDI FT232
Compliant with USB 2.0 Specifications
RS-422 and RS-485 auto detect and switching
±15KV ESD protection on all signal pins
LEDs indicate TxD/RxD activity
Metal chassis
Wall mount support

IU-100 USB 2.0 to RS-422/485 Adapter

› IU-110 USB 2.0 to RS-422/485 2-Port Adapter
Solution: FTDI FT2232
Compliant with USB 2.0 Specifications
RS-422 and RS-485 auto detect and switching
±15KV ESD protection on all signal pins
LEDs indicate TxD/RxD activity
Metal chassis
Wall mount support

IU-120 USB 2.0 to RS-422/485 4-Port Adapter

› IU-120 USB 2.0 to RS-422/485 4-Port Adapter
Solution: FTDI FT4232
Compliant with USB 2.0 Specifications
RS-422 and RS-485 auto detect and switching
±15KV ESD protection on all signal pins
LEDs indicate TxD/RxD activity
Metal chassis
Wall mount support

IU-110 USB 2.0 to RS-422/485 2-Port Adapter

POS Products
Front Panels

THE BEST CONNECTION

CP-120 RS-232 2-Port PCIe Card with Power

CP-130 RS-232 4-Port PCIe Card with Power

CP-120 RS-232 2-Port PCIe Card with Power

Solution: Oxford OXPCIe952
2 x UART serial ports
Compliant with PCI Express Specification 1.1
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
Optional RS-232 signal or power output to serial device
Provides 5VDC or 12VDC power output via pin 1/4/8/9
±15KV ESD protection on all signal pins

CP-130 RS-232 4-Port PCIe Card with Power

Solution: Oxford OXPCIe954
4 x UART serial ports
Compliant with PCI Express Specification 1.1
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
Optional RS-232 signal or power output to serial device
Provides 5VDC or 12VDC power output via pin 1/4/8/9
±15KV ESD protection on all signal pins

E-100 USB 3.0 4-Port Front Panel Hub

E-110 Card Reader + USB 3.0 4-Port Front Panel Hub

E-120 USB 3.0 4-Port Front Panel Hub

E-130 Card Reader + USB 3.0 4-Port Front Panel Hub

E-100 USB 3.0 4-Port Front Panel Hub

Solution: TI TUSB8040
Compliant with USB 3.0 specification
Data transfer rate up to 5Gbps
Support Fast Charging for Apple device
No driver installation is needed
Bundled with USB 3.0 A-B cable
4 x USB 3.0 ports

E-110 Card Reader + USB 3.0 4-Port Front Panel Hub

Solution: VIA VL810E + Genesys GL822
Compliant with USB 3.0 specification
Data transfer rate up to 5Gbps
Support SD/microSD
No driver installation is needed
Bundled with USB 3.0 A-B cable
2 x USB 3.0 ports
1 x USB 2.0 port
1 x SD/MMC/MS slot

E-120 USB 3.0 4-Port Front Panel Hub

Solution: TI TUSB8040
Compliant with USB 3.0 specification
Data transfer rate up to 5Gbps
Support Fast Charging for Apple device
No driver installation is needed
Bundled with USB 3.0 pin header to USB-B cable
4 x USB 3.0 ports

E-130 Card Reader + USB 3.0 4-Port Front Panel Hub

Solution: VIA VL810E + Genesys GL822
Compliant with USB 3.0 specification
Data transfer rate up to 5Gbps
Support SD/microSD
No driver installation is needed
Bundled with USB 3.0 pin header to USB-B cable
2 x USB 3.0 ports
1 x USB 2.0 port
1 x SD/MMC/MS slot

MEMO

PCI Express Cards

PCI Cards

THE **BEST** CONNECTION

PCI Express Cards

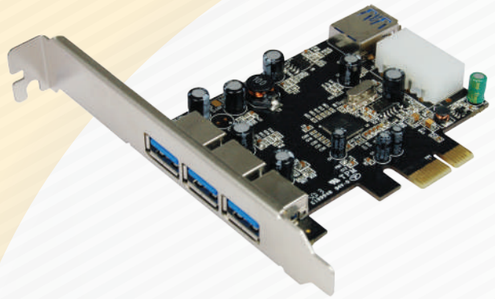
〉U-710 PCIe USB 3.0 2-Port Card
Solution: Renesas uPD720202
Compliant with USB 3.0 Specifications
Single-lane (x1) PCIe Form Factor
Data transfer rate up to 5Gbps
Support BC 1.2 Charging
2 x External USB 3.0 ports

〉U-720 PCIe USB 3.0 2-Port Card
Solution: Renesas uPD720202
Compliant with USB 3.0 Specifications
Single-lane (x1) PCIe Form Factor
Data transfer rate up to 5Gbps
Support BC 1.2 Fast Charging
1 x External USB 3.0 port
1 x Internal USB 3.0 port

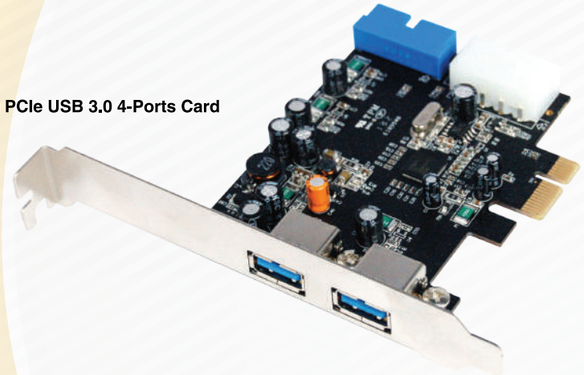
〉U-750 PCIe USB 3.0 4-Ports Card
Solution: Renesas uPD720202
Compliant with USB 3.0 Specifications
Single-lane (x1) PCIe Form Factor
Data transfer rate up to 5Gbps
Support BC 1.2 Fast Charging
3 x External USB 3.0 port
1 x Internal USB 3.0 port

〉U-780 PCIe USB 3.0 4-Ports Card
Solution: Renesas uPD720201
Compliant with USB 3.0 Specifications
Single-lane (x1) PCIe Form Factor
Data transfer rate up to 5Gbps
Support BC 1.2 Fast Charging
2 x External USB 3.0 port
2 x Internal USB 3.0 port

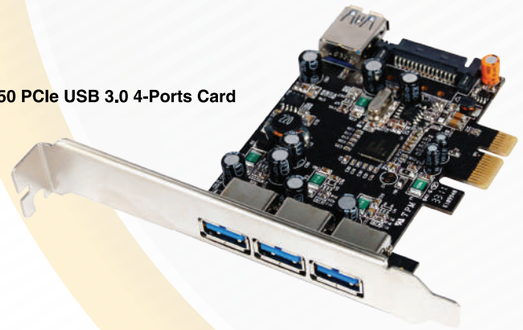
U-940 PCIe USB 3.0 4-Ports Card

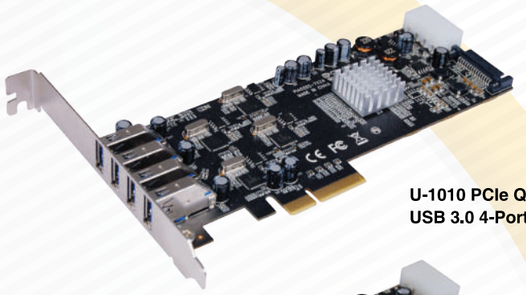


U-780 PCIe USB 3.0 4-Ports Card

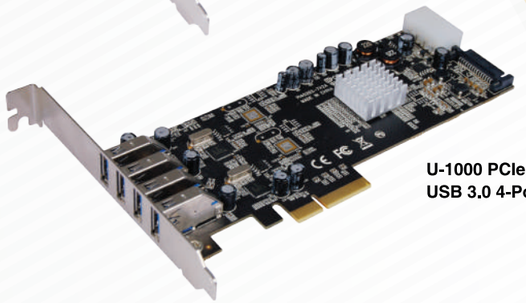


U-750 PCIe USB 3.0 4-Ports Card



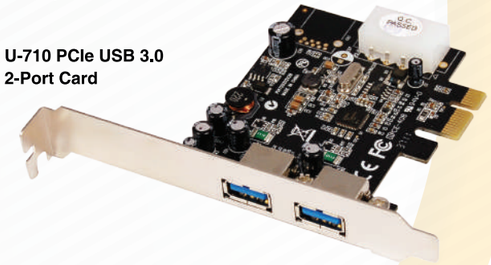


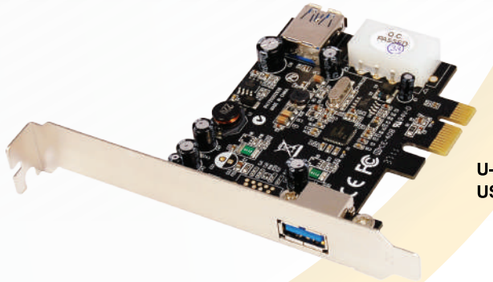
U-1010 PCIe Quad Bus USB 3.0 4-Port Card



U-1000 PCIe Dual Bus USB 3.0 4-Port Card

U-710 PCIe USB 3.0 2-Port Card





U-720 PCIe USB 3.0 2-Port Card

PCI Express Cards

〉U-940 PCIe USB 3.0 4-Ports Card
Solution: VIA VL805
Compliant with USB 3.0 Specifications
Single-lane (x1) PCIe Form Factor
Data transfer rate up to 5Gbps
Support BC 1.2 Fast Charging
3 x External USB 3.0 port
1 x Internal USB 3.0 port

〉U-1000 PCIe Dual Bus USB 3.0 4-Port Card
Solution: Renesas uPD720202
Compliant with USB 3.0 Specifications
Four-lane x4 PCIe Form Factor
2 x USB 3.0 controller IC
Data transfer rate up to 5 Gbps per two ports
Support BC 1.2 Fast Charging
4 x External USB 3.0 port

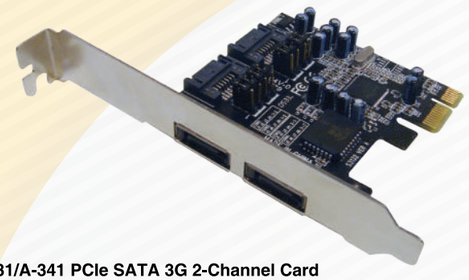
〉U-1010 PCIe Quad Bus USB 3.0 4-Port Card
Solution: Renesas uPD720202
Compliant with USB 3.0 Specifications
Four-lane x4 PCIe Form Factor
4 x USB 3.0 controller IC
Data transfer rate up to 5 Gbps per port
Support BC 1.2 Fast Charging
4 x External USB 3.0 port

PCI Express Cards

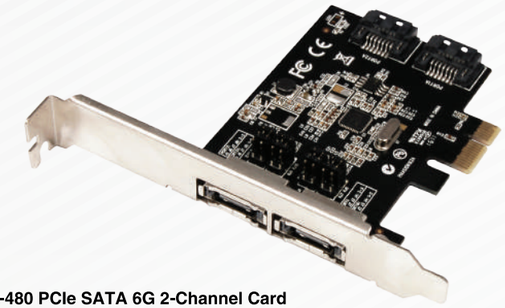
〉A-331/A-341 PCIe SATA 3G 2-Channel Card
Solution: Silicon Image Sil3132
Compliant with one-lane 2.5 Gbps PCIe Specification
Compliant with Serial ATA II Specifications
Supports RAID 0 and 1 (for A-341 only)
2 x External eSATA ports
2 x Internal SATA ports

〉A-480 PCIe SATA 6G 2-Channel Card
Solution: ASMedia ASM1061 A2
Compliant with PCIe Specification v2.0
Compliant with SATA Specification 3.0
Data transfer rate up to 6Gbps
Support ATA and ATAPI commands
2 x External eSATA ports
2 x Internal SATA ports

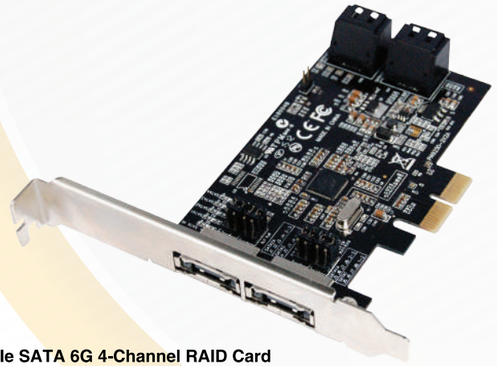
〉A-520 PCIe SATA 6G 4-Channel RAID Card
Solution: Marvell 88SE9230
Compliant with PCIe Specification v2.0
Compliant with Serial ATA Specification 3.0
PCIe x2 interface
HyperDuo Technology
Data transfer rate up to 6Gbps
Support hardware RAID 0, 1, 10
2 x External eSATA ports
4 x Internal SATA ports



A-331/A-341 PCIe SATA 3G 2-Channel Card

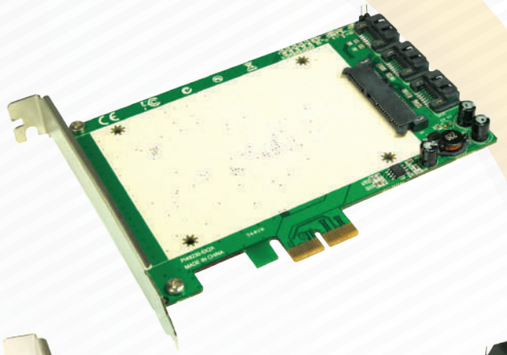


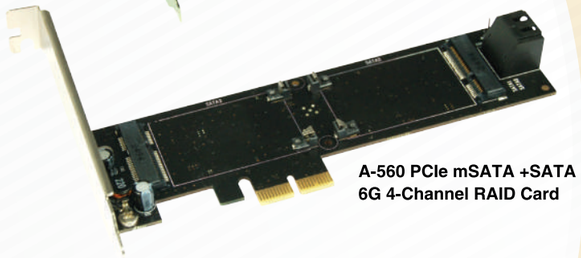
A-480 PCIe SATA 6G 2-Channel Card



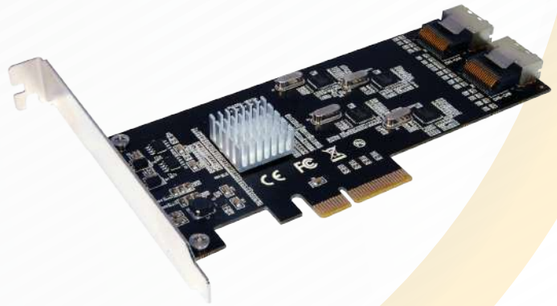
A-520 PCIe SATA 6G 4-Channel RAID Card

A-550 PCIe SSD+SATA 6G 4-Channel RAID Card





A-560 PCIe mSATA +SATA 6G 4-Channel RAID Card



A-590 8-Port SATA 6G PCIe Card

PCI Express Cards

〉A-550 PCIe SSD+SATA 6G 4-Channel RAID Card
Solution: Marvell 88SE9230
Compliant with PCIe Specification v2.0
Compliant with Serial ATA Specification 3.0
PCIe x2 interface
HyperDuo Technology
Data transfer rate up to 6Gbps
Support hardware RAID 0, 1, 10
3 x Internal SATA ports
1 x Internal 2.5" SATA SSD socket

〉A-560 PCIe mSATA +SATA 6G 4-Channel RAID Card
Solution: Marvell 88SE9230
Compliant with PCIe Specification v2.0
Compliant with Serial ATA Specification 3.0
PCIe x2 interface
HyperDuo Technology
Data transfer rate up to 6Gbps
Support hardware RAID 0, 1, 10
2 x Internal SATA ports
2 x Internal mSATA SSD sockets

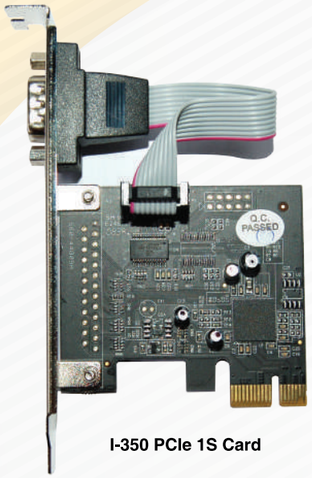
〉A-590 8-Port SATA 6G PCIe Card
Solution: PI7C9X2G608+ASM1061
Eight internal SATA ports
Compliant with PCIe Specification v2.1
Compliant with Serial ATA Specification 3.0
Date transfer rate up to 6.0Gbps
Support ATA and ATAPI commands
Support Native Command Queue (NCQ)
PCIe x4 interface
Hot plug and Hot Swap

PCI Express Cards

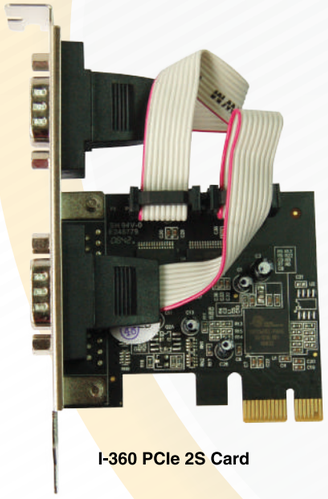
I-350 PCIe 1S Card
Solution: Oxford OXPCIe952
Compliant with PCIe Specification 1.1
Compliant with PCI Power Management 1.2
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
1 x serial port

I-360 PCIe 2S Card
Solution: Oxford OXPCIe952
Compliant with PCIe Specification 1.1
Compliant with PCI Power Management 1.2
Built-in 16C950 compatible UART
128-byte deep transmit/receive FIFOs
2 x serial ports

I-370 PCIe 1P Card
Solution: Oxford OXPCIe952
Compliant with PCIe Specification 1.1
Compliant with PCI Power Management 1.2
Support SPP, EPP and ECP
Data transfer rate up to 2.5Mbps
1 x parallel port

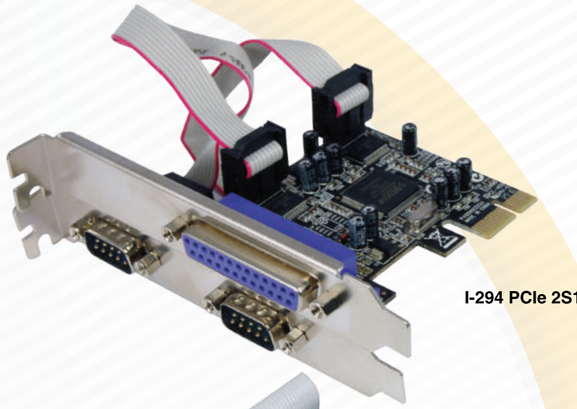


I-350 PCIe 1S Card

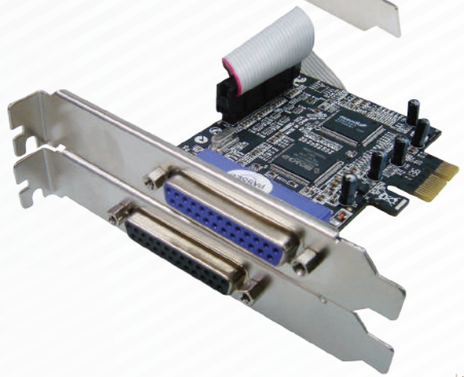


I-360 PCIe 2S Card

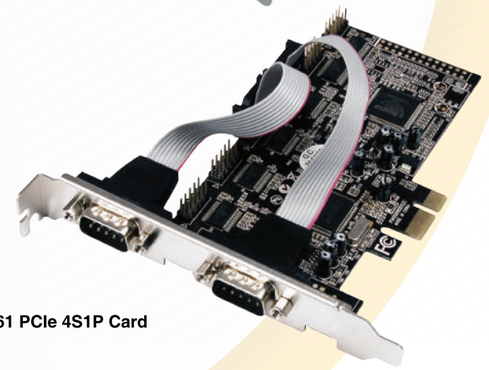
I-370 PCIe 1P Card



I-294 PCIe 2S1P Card



I-510 PCIe 2P Card



I-461 PCIe 4S1P Card

PCI Express Cards

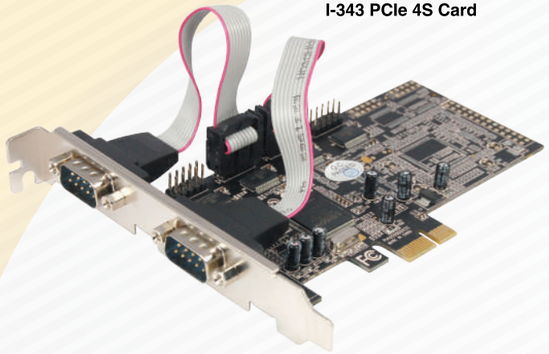
I-294 PCIe 2S1P Card
Solution: Moschip MCS9901
Compliant with PCIe Specification 1.1
Built-in 16C450/550 compatible UART
256-byte FIFOs in transmit and receive of each serial ports
Serial data transfer rate up to 230400bps
Support SPP, EPP and ECP
Parallel data transfer rate up to 1.5Mbps
2 x serial ports
1 x parallel port

I-461 PCIe 4S1P Card
Solution: Moschip MCS9900 + MCS9922
Compliant with PCIe Specification 1.1
Built-in 16C450/550 compatible UART
256-byte FIFOs in transmit and receive of each serial ports
Serial data transfer rate up to 230400bps
Support SPP, EPP and ECP
Parallel data transfer rate up to 1.5Mbps
4 x serial ports
1 x parallel port

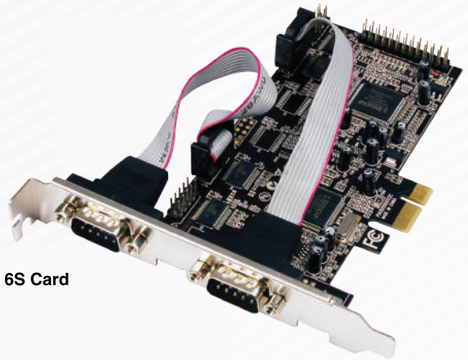
I-510 PCIe 2P Card
Solution: Moschip MCS9865
Compliant with PCIe Specification 1.1
Support SPP, EPP and ECP
Parallel data transfer rate up to 1.5Mbps
2 x parallel ports

PCI Express Cards

I-343 PCIe 4S Card



〉 I-343 PCIe 4S Card
Solution: Moschip MCS9904
Compliant with PCIe Specification 1.1
Built-in 16C450/550 compatible UART
256-byte FIFOs in transmit and receive per port
Data transfer rate up to 230400bps
4 x serial ports



I-472 PCIe 6S Card

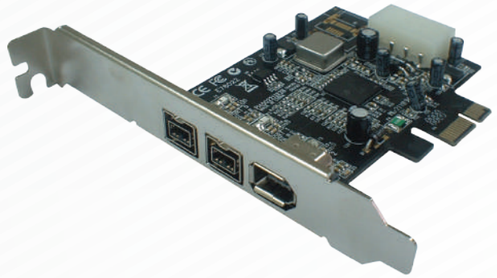
〉 I-472 PCIe 6S Card
Solution: Moschip MCS9900 + MCS9922
Compliant with PCIe Specification 1.1
Built-in 16C450/550 compatible UART
256-byte FIFOs in transmit and receive per port
Data transfer rate up to 230400bps
6 x serial ports

I-530 PCIe 8S Card

〉 I-530 PCIe 8S Card
Solution: EXAR XR17V358
Compliant with PCIe 2.0 Gen1 Specification
Built-in 16C550 compatible UART
256-byte deep transmit/receive FIFOs per port
Data transfer rate up to 230400bps
Octopus 8S serial cable
6 x serial ports

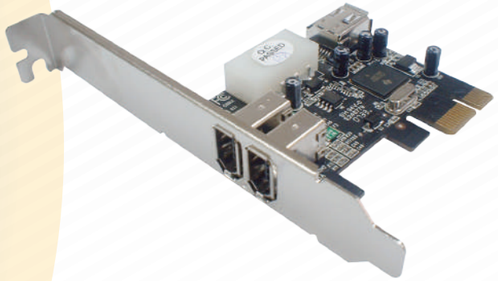
PCI Express Cards

F-301 PCIe 1394b 1a+2b Card



〉 F-301 PCIe 1394b 1a+2b Card
Solution: TI XIO2213A
Compliant with PCIe Specification 1.1
Compliant with IEEE 1394b specification
Downward compatible with IEEE 1394a
Data transfer rate up to 800Mbps
2 x External IEEE 1394b port
1 x Internal IEEE 1394a port

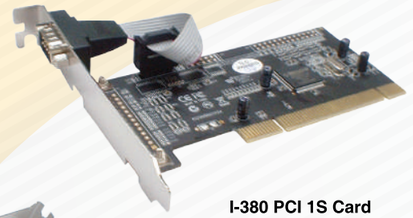
F-261 PCIe 1394a 2+1 Port Card



〉 F-261 PCIe 1394a 2+1 Port Card
Solution: TI XIO2200A
Compliant with PCIe Specification 1.0
Compliant with IEEE 1394-1995, 1394a-2000 and OHCI 1.1 standards
Data transfer rate up to 400Mbps
2 x External IEEE 1394a port
1 x Internal IEEE 1394a port

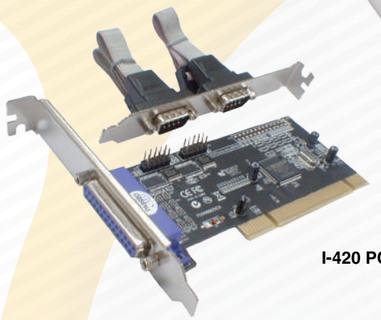
PCI Cards

〉 I-380 PCI 1S Card
Solution: Moschip MCS9865
Data transfer rate up to 115200bps
Automatically selects IRQ and I/O address
1 x serial port



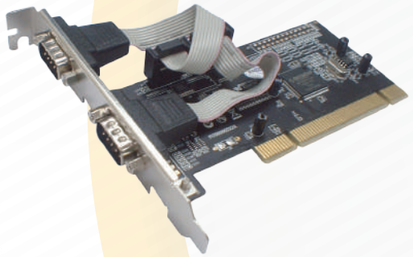
I-380 PCI 1S Card

〉 I-390 PCI 2S Card
Solution: Moschip MCS9865
Data transfer rate up to 115200bps
Automatically selects IRQ and I/O address
2 x serial ports



I-420 PCI 2S1P Card

〉 I-400/I-410 PCI 1P/2P Card
Solution: Moschip MCS9865
Data transfer rate up to 1.5Mbps
Support SPP, EPP and ECP
Automatically selects IRQ and I/O address
1 x parallel port for I-400
2 x parallel ports for I-410

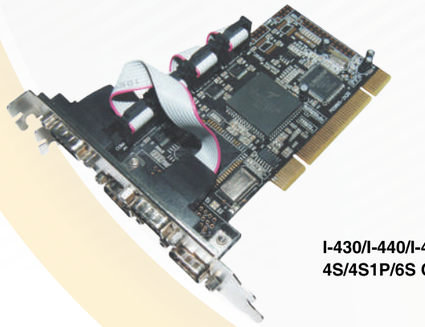


I-390 PCI 2S Card

I-400/I-410 PCI 1P/2P Card

〉 I-420 PCI 2S1P Card
Solution: Moschip MCS9865
Parallel port data transfer rate up to 1.5Mbps
Serial port data transfer rate up to 115200bps
Support SPP, EPP and ECP
Automatically selects IRQ and I/O address
2 x serial ports
1 x parallel port

〉 I-430/I-440/I-450 PCI 4S/4S1P/6S Card
Solution: Moschip MCS9865
Parallel port data transfer rate up to 1.5Mbps
Serial port data transfer rate up to 115200bps
Support SPP, EPP and ECP
Automatically selects IRQ and I/O address



I-430/I-440/I-450 PCI
4S/4S1P/6S Card

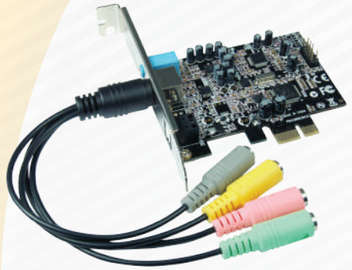
Audio Devices
Storage Devices
HDMI Products

Audio Devices

〉M-570 Wireless 4-Channel Sound Box
Solution: TI CC8531
Stream music on your PC to your stereo without running wires
Transmitter Interface: USB 2.0
Receiver Audio Output interface: 3.5mm Stereo Audio Jack
Audio Output: 4 channel Audio Output
Proprietary 2.4GHz Wireless solution
Very low audio latency (<43ms)
Operational Range: Up to 10 meters
48kHz, 16-bit CD sound quality
Get started in 3 steps-- Connect, Power on and Play
Plug and play, no driver / software installation needed
Automatically pairing
Compliant with USB Audio Device Class

M-570 Wireless 4-Channel Sound Box

〉M-550 PCIe 5.1 Channel Sound Card
Solution: C-Media CM8826
Audio format supports 96K/48K/44.1K and 16/24bits resolution
Integrated 96K/48K/44.1K, and 16/24-bit SPDIF transmitter



M-550 PCIe 5.1 Channel Sound Card

〉M-510 Bluetooth Music Receiver
Solution: CSR8645
Bluetooth 4.1
HFP1.6, A2DP1.2 and AVRCP1.4
aptX codec
NFC

M-510 Bluetooth Music Receiver

〉M-330 7.1 Channel USB 2.0 Sound Box
Solution: C-Media CM6206
Support 48/44.1 KHz sampling rate for both playback and recording
SPDIF optical digital input and output

M-330 7.1 Channel USB 2.0 Sound Box

〉M-360 7.1 Channel USB 2.0 Sound Box
Solution: C-Media CM6206
Support 48/44.1 KHz sampling rate for both playback and recording
SPDIF optical digital input and output

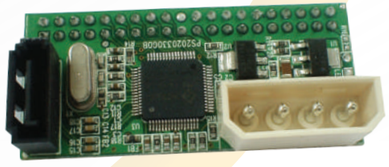
M-360 7.1 Channel USB 2.0 Sound Box

S-340 USB 3.0 3.5" SATA 6G Enclosure

S-190 USB 2.0 3.5" SATA 150/PATA Enclosure
S-211 USB 2.0 + eSATA 3.5" Enclosure

S-250 SATA 150 to PATA Converter

S-360 USB 3.0 2.5" Enclosure



S-240 PATA to SATA 150 Converter

Storage Devices

〉S-190 USB 2.0 3.5" SATA 150/PATA Enclosure
Solution: JMicron JM20337
Support 3.5" PATA or SATA HDD
Compliant with USB 2.0 Hi-Speed
Data transfer rate up to 480Mbps

〉S-211 USB 2.0 + eSATA 3.5" Enclosure
Solution: JMicron JMB351
Support 3.5" SATA 3G HDD
Compliant with USB 2.0 Hi-Speed
Connect to USB port or eSATA port

〉S-240 PATA to SATA 150 Converter
Solution: JMicron JM20330
Compatible with Ultra ATA 133/ 100/ 66/ 33 specifications
Support ATATPI, ATA/133, ATA/100, ATA/66, ATA/33,
EIDE and IDE storage devices
Compliant with Serial ATA 1.0 specifications
Supports Serial ATA Generation 1 transfer rate 1.5Gb/s

〉S-250 SATA 150 to PATA Converter
Solution: JMicron JM20330
Compatible with Ultra ATA 133/ 100/ 66/ 33 specifications
Support all types of SATA storage devices
Compliant with Serial ATA 1.0 specifications
Supports Serial ATA Generation 1 transfer rate 1.5Gb/s

〉S-340 USB 3.0 3.5" SATA 6G Enclosure
Solution: VIA VL711
Support SuperSpeed USB 3.0 data rate up to 5Gb/s
Compliant with Universal Serial Bus 3.0 Specification, Revision 1.0
Support SATA speed of 6.0Gbps, 3.0Gbps and 1.5Gbps
Compliant with Serial ATA Specification, Revision 3.1
Support for UASP
Supports SATA 3.5" hard drives

〉S-360 USB 3.0 2.5" Enclosure
Solution: ASMedia ASM1153E
Support SuperSpeed USB 3.0 data rate up to 5Gb/s
Compliant with Universal Serial Bus 3.0 Specification, Revision 1.0
Compliant with Serial ATA Specification, Revision 3.0
Bus bandwidth of Serial ATA up to 6Gbps
Support 2.5" SATA hard drive or SSD with thickness up to 12.7mm
Screwless enclosure design

HDMI Products

M-391 1x4 HDMI Splitter w/ 4K, 3D
Solution: Lontium LT86104SX
One HDMI input, four HDMI outputs
HDMI 1.4 compliant
HDCP 1.4 compliant
Support signal rate up to 3.4Gbps
Support 1080p and up to 4Kx2K PC resolution
Support HDMI Deep Color & full 3D
Supports Auto EDID
Metal case

M-401 2x4 HDMI Splitter w/ 4K, 3D
Solution: Lontium LT8641SX+LT86104SX
Two HDMI inputs, four HDMI outputs
HDMI 1.4 compliant
HDCP 1.4 compliant
Support signal rate up to 3.4Gbps
Support 1080p and up to 4Kx2K PC resolution
Support HDMI Deep Color & full 3D
Supports Auto EDID
Meta case

M-411 4x1 HDMI Switch w/ 4K, 3D
Solution: Lontium LT8641SX
Four HDMI inputs, one HDMI output
HDMI 1.4 compliant
HDCP 1.4 compliant
Support signal rate up to 3.4Gbps
Support resolutions up to Ultra HD 4Kx2K
(3840 x 2160 @ 30Hz) and 1080P @ 120Hz, and
1080P 3D @ 60 Hz Full HD
Support Deep color up to 16-bit color at 1080p 60Hz
Automatically switch input to the most recently plugged in or
turned on source
Meta case

M-420 HDMI Extender over Cat 5e/6
Solution: Maxim MAX3814 + MAX3815
Transmit HDMI signal by dual Cat5e/Cat6 cables
One transmitter and one receiver works as pair
Transmission distance up to 50 meters (1080p)
Allow unlimited cascading
Supports signal rate up to 1.65Gbps
HDCP compliant
Metal case

M-391 1x4 HDMI Splitter w/ 4K, 3D

M-401 2x4 HDMI Splitter w/ 4K, 3D

M-411 4x1 HDMI Switch w/ 4K, 3D

M-420 HDMI Extender over Cat 5e/6

M-430 HDMI Repeater

M-440 Component Video + Analog Audio to HDMI Converter

M-450 VGA + Analog Audio to HDMI Converter

M-501 1x8 HDMI Splitter w/4K, 3D

HDMI Products

M-430 HDMI Repeater
Solution: Pericom PI3HDMI101
Allow HDMI signal to be transmitted
by long HDMI cable
Allow unlimited cascading
Support signal rate up to 2.5Gbps
HDCP compliant
Metal case

M-440 Component Video + Analog Audio to HDMI Converter
Solution: CAT6613
Convert component video and analog audio (R/L)
into HDMI
Support resolution up to 1080p
Metal case

M-450 VGA + Analog Audio to HDMI Converter
Solution: CAT6613
Convert VGA signal and analog audio (R/L) into HDMI
Support resolution up to 1080p
Metal case

M-501 1x8 HDMI Splitter w/4K, 3D
Solution: Lontium LT86102SX+LT86104SX
One HDMI input, eight HDMI outputs
HDMI 1.4 compliant
HDCP 1.4 compliant
Support signal rate up to 3.4Gbps
Support 1080p and up to 4Kx2K PC resolution
Support HDMI Deep Color & full 3D
Supports Auto EDID
Meta case

〉U-1980 USB 3.1 Gen 1 Type-A 2.5G 4-Speed Multi-Gigabit Ethernet Adapter

Solution: RTL8156
Supports USB 3.1 Gen1，2.0 and1.0
Works with the newest MacBook and other laptop and desktop computers with a USB-A port
Supports 100/1000/2500Mbps Ethernet
Supports IEEE 802.1Q VLAN tagging
Supports IEEE 802.3az(Energy Efficient Ethernet)
Supports IEEE 802.3bz(2.5GBASE-T)
Supports Full Dup;ex flow control (IEEE 802.3x)
Supports jumbo frame to 16K bytes
Downstream port: RJ45
Up to 16KB jumbo frames

U-1980 USB 3.1 Gen 1 Type-A 2.5G 4-Speed Multi-Gigabit Ethernet Adapter

〉U-1890 USB 3.1 Gen 1 Type-A 5G 4-Speed Multi-Gigabit Ethernet Adapter

Solution: Aquantia AQC111U
Compliant with Universal Serial Bus 3.1 Gen1 Specification, Revision 1.0
Compatible with USB Specification, Revision 2.0
Supports 100/1000/2500/5000Mbps Ethernet
Compatible with NBASE-T Alliance PHY， IEEE 802.3bz
Supports advanced link down power saving when Ethernet cable is unplugged
LEDs indicate the status of Power status and Ethernet connection
Downstream port: RJ45
Up to 9KB jumbo frames
Supports full duplex operation with IEEE 802.3x flow control and
half duplex operation with back-pressure flow control

U-1890 USB 3.1 Gen 1 Type-A 5G 4-Speed Multi-Gigabit Ethernet Adapter

〉U-900/U-910 USB 3.0 Docking Station

Solution: VL811P+DL3900+GL3221 for U-910
VL811P+DL3900 for U-900
5 x USB 3.0 ports (U-910)
6 x USB 3.0 ports (U-900)
1 x DVI
1 x HDMI
1 x Audio Out
1 x Mic In
1 x Gigabit Ethernet
1 x SD/MicroSD Card Reader (U-910)

U-900/U-910 USB 3.0 Docking Station

U-850/U-860 USB 3.0 Docking Station

U-1030 USB 3.0 Mini Docking Station

U-1100 USB 3.0 Hub + HDMI + DVI Docking Station

U-810 USB 3.0 Hub + Gigabit Ethernet Docking Station

〉U-850/U-860 USB 3.0 Docking Station

Solution: VL811P+DL3900+GL3221 for U-860
VL811P+DL3900 for U-850
5 x USB 3.0 ports (U-860)
6 x USB 3.0 ports (U-850)
1 x DVI
1 x HDMI
1 x Audio Out
1 x Mic In
1 x Gigabit Ethernet
1 x SD/MicroSD Card Reader (U-860)

〉U-810 USB 3.0 Hub + Gigabit Ethernet Docking Station

Solution: VIA VL811 + Asix AX88179
Provides three USB 3.0 ports and one RJ-45 Gigabit
Ethernet networking port
Compliant with Universal Serial Bus 3.0 Specification,
Revision 1.0
Up to 5Gbps data transfer rate
Gigabit Ethernet
Compatible with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Supports IEEE 802.3az (Energy Efficient Ethernet)
10/100/1000M data auto-negotiation

〉U-1030 USB 3.0 Mini Docking Station

Solution: GL3521+DL3700
1 x HDMI
1 x USB 3.0 port
1 x Gigabit Ethernet port
High resolutions for display up to 2048 x 1152

〉U-1100 USB 3.0 Hub + HDMI + DVI Docking Station

Solution: VL812+DL3900
1 x DVI
1 x HDMI
2 x USB 3.0 ports
High resolutions for display up to 2048 x 1152

U-760 USB 3.0 4-Port Hub

〉 **U-930 USB 3.0 4-Port Hub**
Solution: VIA VL812
Provide four USB 3.0 ports
Compliant with USB 3.0 Specification 1.0
Up to 5Gbps data transfer rate

U-930 USB 3.0 4-Port Hub

〉 **U-870 USB 3.0 7-Port Hub**
Solution: VIA VL811+
Provide seven USB 3.0 ports
Compliant with USB 3.0 Specification 1.0
Up to 5Gbps data transfer rate
Support USB Battery Charging Specification Revision 1.2
Support Apple mode charging

U-540 USB 3.0 4-Port Hub

〉 **U-770 USB 3.0 7-Port Hub (4 USB 2.0 + 3 USB 3.0 ports)**
Solution: VIA VL811+
Provide three USB 3.0 and four USB 2.0 ports
Compliant with USB 3.0 Specification 1.0
Up to 5Gbps data transfer rate

〉 **U-760 USB 3.0 4-Port Hub**
Solution: VIA VL811+
4 downstream and 1 upstream ports
Compliant with USB 3.0 Specification 1.0
Up to 5Gbps data transfer rate

U-870 USB 3.0 7-Port Hub

〉 **U-540 USB 3.0 4-Port Hub**
Solution: VIA VL811+
4 downstream and 1 upstream ports
Compliant with USB 3.0 Specification 1.0
Up to 5Gbps data transfer rate

U-770 USB 3.0 7-Port Hub (4 USB 2.0 + 3 USB 3.0 ports)

U-181/U-271 USB 2.0 4-Port Hub

U-310 USB 2.0 4-Port Hub

U-500 USB 2.0 10-Port Hub

U-340 USB 2.0 7-Port Hub

〉 **U-500 USB 2.0 10-Port Hub**
Solution: Renesas uPD720114
USB 1.1 and 2.0 Compliant
Up to 480 Mbps (Megabits-Per-Second) Data Transfer Rate
10 USB Type A ports

〉 **U-340 USB 2.0 7-Port Hub**
Solution: Renesas uPD720114
USB 1.1 and 2.0 Compliant
Up to 480 Mbps (Megabits-Per-Second) Data Transfer Rate
7 USB Type A ports

〉 **U-310 USB 2.0 4-Port Hub**
Solution: Renesas uPD720114
USB 1.1 and 2.0 Compliant
Up to 480 Mbps (Megabits-Per-Second) Data Transfer Rate
4 USB Type A ports

〉 **U-181/U-271 USB 2.0 4-Port Hub**
Solution: Renesas uPD720114
USB 1.1 and 2.0 Compliant
Up to 480 Mbps (Megabits-Per-Second) Data Transfer Rate
4 USB Type A ports

U-700 USB 2.0 to Serial Adapter 2 Ports
Solution: Moschip MCS7820CV
Compliant with USB 1.1 and 2.0
Convert two standard 9-pin serial ports to USB
Support RS-232 Serial interface
Up to 230Kbps data transfer rate
No IRQ resource required

U-680 USB 2.0 to Serial Adapter 1 Port
Solution: Prolific PL2303X
Compliant with USB 1.1 and 2.0
Convert a standard 9-pin serial port to USB
Support the RS-232 Serial interface
Up to 230Kbps data transfer rate
No IRQ resource required

U-620 USB 2.0 to Serial Adapter 8 Ports
Solution: ASIX AX78140
Provide eight RS-232 male DB9 ports
Support USB 2.0 Hi-Speed
Support serial transmission rate up to230400bps
Automatic IRQ and I/O Address Selection
Eight 16C450/16C550 Compatible UARTs
Support Transmit-Receive FIFO at 512 bytes per port

U-400 USB 2.0 to Serial Adapter 4 Ports
Solution: ASIX AX78140
Provide four RS-232 male DB9 ports
Support USB 2.0 Hi-Speed
Support serial transmission rate up to230400bps
Automatic IRQ and I/O Address Selection
Four 16C450/16C550 Compatible UARTs
Support Transmit-Receive FIFO at 512 bytes per port

U-224 USB to Serial Cable
Solution: Prolific PL2303X
Fully compliant with USB 1.1
Supports RS232 serial interface
Data Transfer Rate: over 1Mbps

U-680 USB 2.0
to Serial Adapter 1 Port

U-700 USB 2.0 to Serial Adapter 2 Ports

U-400 USB 2.0
Serial Adapter 4 Ports

U-620 USB 2.0 to
Serial Adapter 8 Ports

U-224 USB to Serial Cable

U-350 USB to
Serial Adapter

U-360 USB 2.0 to
Serial Adapter 2 Ports

U-370 USB to
Parallel Adapter 1-Port

U-380 USB to Serial 1-Port +
Parallel 1-Port Adapter

U-191 USB to
Parallel Cable

USB Devices

U-380 USB to Serial 1-Port + Parallel 1-Port Adapter
Solution: Moschip MCS7715
Compatible with USB 2.0 and 1.1
No IRQ, DMA, I/O Address resources required
Serial high speed transfer up to 230400 bps
Parallel port support ECP/EPP/SPP mode
Parallel transfer speed up to 1.5 MB/sec

U-370 USB to Parallel Adapter 1-Port
Solution: Prolific PL2305
Fully compliant with USB 1.1
No IRQ, DMA, I/O Address resources required
Single Printer Port Interface

U-360 USB 2.0 to Serial Adapter 2 Ports
Solution: Moschip MCS7820CV
Smart USB to RS-232 (DB 9-pin male serial port) interface
Support serial transmission rate up to230400bps
No IRQ resource required

U-350 USB to Serial Adapter
Solution: Prolific PL2303X
Smart USB to RS-232 (DB 9-pin male serial port) interface
Supports serial transmission rate up to 230400bps
No IRQ resource required

U-191 USB to Parallel Cable
Solution: Prolific PL2305
Fully compliant with USB 1.1
Supports IEEE-1284 (bi-directional parallel interface) specification
Data Transfer Rate: 1.216Mbps (ECP mode)

U-1280 USB 3.1 Gen1 Type-C to SATA 6G Adapter
Solution: ASMedia ASM1153E
Compliant with USB 3.0 Specification Revision 1.0
Direct attachment to 2.5", 3.5"SATA HDD or SSD
Data Transfer Rate Support up to 5Gbps
Real PnP with no Drivers needed for Windows and Mac OS

U-1280 USB 3.1 Gen1 Type-C to SATA 6G Adapter

U-1450 USB 3.0 Type-A to 2.5" SATA 6G Adapter
Solution: Asmedia ASM1153E
Compliant with USB 3.0 Specification Revision 1.0
Compliant with USB Specifications Revision 2.0
Support USB Super-Speed, High-Speed and Full-Speed Operation
Support USB Mass Storage Class, Bulk-Only Transport
Specification Revision 1.3
Support USB Attached SCSI Protocol Specification Revision 1.0
Compliant with Serial ATA Specification Revision 3.0
Bus bandwidth of Serial ATA up to 6Gbps
Supports SATA 2.5" hard drives or SSD
LED to indicate drive power and activity

U-1450 USB 3.0 Type-A to 2.5" SATA 6G Adapter

U-1460 USB 3.1 Gen 1 Type-C to 2.5" SATA 6G Adapter
Solution: Asmedia ASM1153E
Expand the connectivity of your USB-C enabled computer using the latest USB 3.1 Gen 1 technology
Compliant with USB 3.0 Specification Revision 1.0
Compliant with USB Specifications Revision 2.0
Support USB Super-Speed, High-Speed and Full-Speed Operation
Support USB Mass Storage Class, Bulk-Only Transport Specification Revision 1.3
Support USB Attached SCSI Protocol Specification Revision 1.0
Compliant with Serial ATA Specification Revision 3.0
Bus bandwidth of Serial ATA up to 6Gbps
Supports SATA 2.5" hard drives or SSD
LED to indicate drive power and activity

U-1460 USB 3.1 Gen 1 Type-C to 2.5" SATA 6G Adapter

U-390 USB 2.0 to
SATA II 150/PATA Adapter

U-461 USB 2.0 to SATA II 150 Adapter

U-950 USB 3.0 to SATA 6G Adapter

U-960 USB 3.0 to SATA 6G Adapter w/OTB

U-390 USB 2.0 to SATA II 150/PATA Adapter
Solution: JMicro JM20337
Access any 2.5 "or 3.5" SATA or 2.5" or 3.5" IDE drive through USB 2.0 port
Fully compliant with USB 2.0 & USB 1.1
Transfer Rate: High-Speed up to 480 Mbps data transfer rate
Compatible with any IDE or SATA drive of any brand or size
Compliant with Serial ATA 1.0 specification
Supports Ultra DMA 0-6 and Multi-word DMA 0-2

U-461 USB 2.0 to SATA II 150 Adapter
Solution: JMircro JM20329
Access any 2.5" or 3.5" SATA drive through USB 2.0 port
Fully compliant with USB 2.0 & USB 1.1
Transfer Rate: High-Speed up to 480 Mbps data transfer rate
Compliant with Serial ATA 1.0 specification
Compliance with Gen1i/m of SATA II electrical specification 2.5
One Touch Backup file or data

U-950 USB 3.0 to SATA 6G Adapter
Solution: ASMedia ASM1153E
Compliant with USB 3.0 Specification 1.0
Compliant with Serial ATA Specification, Revision 3.0
Bus bandwidth of Serial ATA up to 6Gbps
Support SATA 2.5" and SATA 3.5" hard drives
Support SATA ATAPI Optical Drives

U-960 USB 3.0 to SATA 6G Adapter w/OTB
Solution: ASMedia ASM1153E
Compliant with USB 3.0 Specification 1.0
Compliant with Serial ATA Specification, Revision 3.0
Bus bandwidth of Serial ATA up to 6Gbps
Support SATA 2.5" and SATA 3.5" hard drives
Support SATA ATAPI Optical Drives
One Touch Backup data

U-1380 USB 3.0 to DisplayPort 4K Adapter

Solution: DisplayLink DL5500
Highest performance USB graphics solution available. Combines
both video and audio over a single USB cable and DisplayPort cable
Connects multiple monitors with resolution as high as 3840x2160 (4K)
to Windows-based laptops and desktops
Connects to Windows PCs via SuperSpeed USB 3.0. USB bus power
(no power adapter required). Adapter is backwards compatible with USB 2.0,
but in most cases performance above 1080P over USB 2.0 will be unsatisfactory
Supports DisplayPort displays up to 3840x2160@30Hz. 3440x1440 displays
will refresh at 50Hz. 2560X1600, 2560x1440, 1920x1080 (1080P)
and all lower modes will refresh at 60Hz
Supports Windows 10/8.1/8/7. Mac OS X, and Linux/Unix are not supported

U-1380 USB 3.0 to DisplayPort 4K Adapter

U-1390 USB 3.0 to HDMI 4K Adapter

Solution: DisplayLink DL5500
Highest performance USB graphics solution available. Combines both video and
audio over a single USB cable and HDMI cable
Connect multiple monitors with resolutions as high as 3840×2160 (4K) to
Windows-based laptops or desktops
Connects to Windows PCs via SuperSpeed USB 3.0.
USB bus powered (no power adapter required).
Adapter is backwards compatible with USB 2.0, but in most cases performance
above 1080P over USB 2.0 will be unsatisfactory
Supports HDMI displays up to 3840×2160@30Hz. 3440×1440
displays will refresh at 50Hz. 2560×1600, 2560×1440, 1920×1080 (1080P)
and all lower modes will refresh at 60Hz
Supports Windows 10/8.1/8/7. Mac OS X, and Linux/Unix are not supported

U-1390 USB 3.0 to HDMI 4K Adapter

U-1510 USB 3.0 to HDMI Adapter

Solution: DisplayLink DL3500
Add-on monitor, LCD or projector through USB 3.0 or USB 2.0 connectivity
Supports widescreen aspect ratio of 16:9 Full HD 1080 video streaming
Supports resolutions up to 2560x1440@50Hz
Low power consumption via USB Bus Power Supply
Supports desktop display mirror, extended, and screen rotation modes
Up to six USB 3.0 graphic adapters working simultaneously
Audio output through HDMI
Compatible with Windows power management hibernate and suspend modes

U-1510 USB 3.0 to HDMI Adapter

U-1490 USB 3.0 to VGA Adapter

U-1500 USB 3.0 to DVI Adapter

U-600 USB 2.0
to HDMI Adapter

U-740 USB 3.0 to HDMI Adapter

U-1500 USB 3.0 to DVI Adapter

Solution: DisplayLink DL3500
Add-on monitor, LCD or projector through USB 3.0 or USB 2.0 connectivity
Supports widescreen aspect ratio of 16:9 Full HD 1080 video streaming
Supports resolutions up to 2048x1152
Supports standard (4:3) and widescreen (16:9 and 16:10) aspect ratios
Low power consumption via USB Bus Power Supply
Supports desktop display mirror, extended, and screen rotation modes
Up to six USB 3.0 graphic adapters working simultaneously
Compatible with Windows power management hibernate and suspend modes

U-1490 USB 3.0 to VGA Adapter

Solution: DisplayLink DL3500
Add-on monitor, LCD or projector through USB 3.0 or USB 2.0 connectivity
Supports widescreen aspect ratio of 16:9 Full HD 1080 video streaming
Supports resolutions up to 2048x1152
Supports standard (4:3) and widescreen (16:9 and 16:10) aspect ratios
Low power consumption via USB Bus Power Supply
Supports desktop display mirror, extended, and screen rotation modes
Up to six USB 3.0 graphic adapters working simultaneously
Compatible with Windows power management hibernate and suspend modes

U-740 USB 3.0 to HDMI Adapter

Solution: DisplayLink DL-3500-1
Support resolution up to 2048x1152 @ 32bit
Support desktop display mirror, extended, and
screen rotation modes
Up to six USB 3.0 graphic adapters working simultaneously
Audio output through HDMI

U-600 USB 2.0 to HDMI Adapter

Solution: DisplayLink DL-165-1
Functionality: primary, extended or mirror
Compliant with USB Specification 2.0
Resolution: up to 1920 x 1080 @ 32-bit color
HDMI output
16MB Display Memory
Allow multiple connections in a single PC
Audio output through HDMI

USB Devices

〉U-830 USB 3.0 SD/Micro SD Card Reader
Solution: Genesys GL3233
USB 3.0 SuperSpeed data transfer rate up to 5Gbps
Dedicated slots for SD and MicroSD
Supports one logical drive of either SD or MicroSD at a time
Support Secure Ditigal™ v1.0/v1.1/v2.0/SDHC/SDXC (capacity up to 2TB)
Support Secure Digital™ v3.0 UHS-I (Ultra High Speed) SDR12/SDR25/SDR50/DDR50/SDR104

〉U-450 USB 2.0 to ExpressCard Adapter
Fully compliant with USB specification revision 2.0
Supports data transfer rate up to 480Mb/s

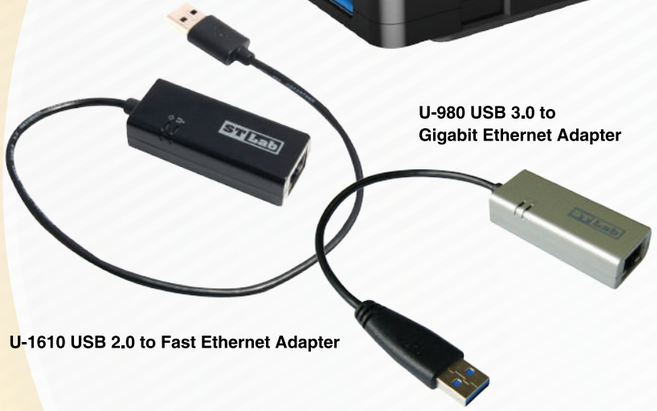
〉U-441 USB 2.0 Windows Easy Transfer Cable
Solution: Prolific PL25A1B
Transfer data and share resources between two PCs via USB port
Built-in driver (USB Easy Transfer Cable) and program Operating system
Compliant with the USB Specification 2.0

〉U-1610 USB 2.0 to Fast Ethernet Adapter
Solution: Realtek RTL8152B
Compliant with the Standard Specification of USB 1.1 and 2.0
Compliant with IEEE 802.3 (10Base-T) and 802.3u (100Base-TX)
Support Full Duplex Operation in 10/100 Mbps Modes
Support USB Full and High Speed modes with bus power capacity
Upstream port: USB type A
Downstream port: RJ45
LEDs indicate the status of Power status and Ethernet connection

〉U-980 USB 3.0 to Gigabit Ethernet Adapter
Solution: Realtek RTL8153
Compliant with USB 3.0 Specification, Revision 1.0
Supports CDC-ECM
Supports full duplex operation with IEEE 802.3x flow control and half duplex operation with back-pressure flow control
Compatible with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Supports IEEE 802.3az (Energy Efficient Ethernet)
Supports crossover detection and auto-correction
Supports advanced link down power saving when Ethernet cable is unplugged
Supports jumbo frame up to 9K bytes

U-450 USB 2.0 to ExpressCard Adapter

U-830 USB 3.0 SD/Micro SD Card Reader



U-980 USB 3.0 to Gigabit Ethernet Adapter

U-1610 USB 2.0 to Fast Ethernet Adapter

U-441 USB 2.0 Windows Easy Transfer Cable

Signal Switches

THE BEST CONNECTION

Signal switches

G-100 USB 2Ax1B Signal Switch
Enables single computer to share 2 USB devices
Simple port selection via pushbuttons
Supports transfer rates up to 480Mbps
Bus-powered

G-110 USB 2Bx1A Signal Switch
Enables two computers to share a USB device
Simple port selection via pushbuttons
Supports transfer rates up to 480Mbps
Bus-powered

G-120 USB 4Ax1B Signal Switch
Enables single computer to share 4 USB devices
Simple port selection via pushbuttons
Supports transfer rates up to 480Mbps
Bus-powered

Signal switches

G-130 USB 4Bx1A Signal Switch
Enables four computers to share a USB device
Simple port selection via pushbuttons
Supports transfer rates up to 480Mbps
Bus-powered

G-140 VGA 2x1 Signal Switch
Supports resolution up to QWXGA (2048x1152)
Supports 4:3, 16:9 and 16:10 resolutions
No power required
2-way switching: Switch VGA monitor between two VGA sources (PC) or vice versa

G-150 VGA 4x1 Signal Switch

Supports resolution up to QWXGA (2048x1152)
Supports 4:3, 16:9 and 16:10 resolutions
No power required
2-way switching: Switch VGA monitor between four VGA sources (PC) or vice versa

G-160 HDMI 2x1 Signal Switch

Supports resolution up to 1080p
Support 3D
Passes both video and audio signals
No power required
Two HDMI input devices (source) share one output device (sink)

G-180 Serial 2x1 Signal Switch

2-way switching: Enable two PCs to share a serial device or vice versa
Port configuration:
Port 1 and 2: DB9 Female
Common port: DB9 Male
No power required

G-170 DVI 2x1 Signal Switch

Video Bandwidth: up to 1.65Gbps
Passes digital video signal (DVI-D)
No power required
2-way switching: Switch DVI monitor between two DVI sources (PC) or vice versa
Supports resolution up to QWXGA (2048x1152)

G-190 Ethernet 2x1 Signal Switch

Supports Ethernet speed up to 1Gbps
Supports CAT-5/5e UTP and STP cables
Supports Ethernet as well as other non-networking applications
Switch a common UTP/STP cable between two UTP/STP segments
No power required

Signal Switches

G-200 USB 3.0 1Ax2B Signal Switch
Enable two PCs to share a common USB 3.0 device
Supports USB 3.0 and 2.0
Port configuration:
Ports 1 and 2: USB 3.0 type B
Common port: USB 3.0 type A
With simple push of a button, the USB device is connected to one of the two PCs instantly
No power required

G-210 BNC 2x1 Signal Switch
Share two BNC sources with one BNC device
No additional software needed
Easy to use and install
Switch selection: Push button

G-220 RJ-11 2x1 Signal Switch
Switch between two RJ11 devices such as phones, faxes, moderns, etc
Or between two computers and one device
No power required
No additional software needed
Easy to use and install
Switch selection: Push button

G-230 DisplayPort 2x1 Signal Switch
DisplayPort 1.1a HD 1080p compatible
Full support for high definition video, multi-channel digital audio, DPCP and HDCP
Supports resolution up to 2560 x 1600
Supports Dual-Mode DisplayPort
Supports Data Rates up to 2.7Gbps
No power required
Input: DisplayPort x 2; Output: DisplayPort X 1
Switch selection: Push button

G-240 3.5mm Stereo Audio 2x1 Signal Switch
Quickly and easily choose between any two stereo audio sources (Or switch one audio to two separate outputs)
No power required
Switch selection: Push button

Networking Products

THE BEST CONNECTION

〉N-580 Intel PCIe 4-Port Gigabit Server Adapter
Solution: Intel I350-AM4
Four 10/100/1000Mbps compatible RJ-45 Ethernet ports
Four-lane (or x4) PCI Express compatible with x4, x8 and x16 PCI Express slots
Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Supports 10/100/1000M data auto-negotiation
Teaming support
Jumbo Frame support
Half duplex at 10/100 Mb/s operation and full duplex operation at all supported speeds

N-580 Intel PCIe 4-Port Gigabit Server Adapter

〉N-440 PCIe 2-Port 10G 5-Speed Multi-Gigabit Network Card
Solution: Intel X550-AT2
Add two 100Mbps/1G/2.5G/5G/10G compatible RJ-45 Ethernet ports
Compliant with 10GBase-T and NBASE-T specifications
Compliant with PCI Express Specification Revision 3.0
Fully compliant with IEEE 802.3an, IEEE 802.3ab, IEEE 802.3u
Up to 20Gbps (full duplex) bandwidth
Up to 9K jumbo frame support

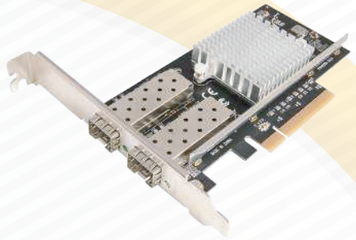
N-440 PCIe 2-Port 10G 5-Speed Multi-Gigabit Network Card

〉N-430 PCIe 1-Port 10G 5-Speed Multi-Gigabit Network Card
Solution: Intel X550-AT
Add one 100Mbps/1G/2.5G/5G/10G compatible RJ-45 Ethernet port
Compliant with 10GBase-T and NBASE-T specifications
Compliant with PCI Express Specification Revision 3.0
Fully compliant with IEEE 802.3an, IEEE 802.3ab, IEEE 802.3u
Up to 20Gbps (full duplex) bandwidth
Up to 9K jumbo frame support

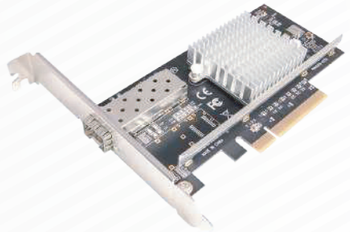
N-430 PCIe 1-Port 10G 5-Speed Multi-Gigabit Network Card

〉N-390 PCIe Dual Port Gigabit Ethernet Card w/WOL
Solution: Intel I350-AM2
PCIe Gen-2 x4 Host Bus
10/100/1000M Data Auto-Negotiation
Intel® VT-c(VMDq, SR-IOV)
Intel PROSet Utility for Microsoft Device Manager
Teaming Support
2 x RJ 45 Ethernet Connectors

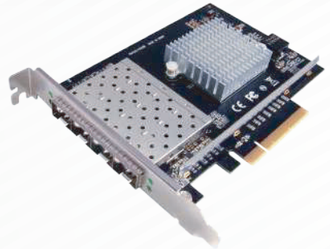
N-390 PCIe Dual Port Gigabit Ethernet Card w/WOL



N-520 PCIe 2-Port 10G SFP+ Network Controller Card



N-510 PCIe 1-Port 10G SFP+ Network Controller Card



N-460 PCIe 4-Port 10G SFP+ Network Card

N-550 10G to SFP+ Ethernet Media Converter

Networking Products

〉N-520 PCIe 2-Port 10G SFP+ Network Controller Card
Solution: Intel JL82599ES
Supports common 10GbE SFP+ optical and Direct Attached Copper modules
EEE (Energy Efficient Ethernet)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 3.0
Eight lane (x8) PCI Express compatible with x8 and x16 PCI Express slots
IEEE 802.1Q Tagged VLAN
Intel PROSet Utility for Microsoft Device Manager

〉N-510 PCIe 1-Port 10G SFP+ Network Controller Card
Solution: Intel JL82599EN
Supports common 10GbE SFP+ optical and Direct Attached Copper modules
EEE (Energy Efficient Ethernet)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 3.0
Eight lane (x8) PCI Express compatible with x8 and x16 PCI Express slots
IEEE 802.1Q Tagged VLAN
Intel PROSet Utility for Microsoft Device Manager

〉N-460 PCIe 4-Port 10G SFP+ Network Card
Solution: Intel XL710-BM1
Quad port full height 10GbE adapter
Supports common 10GbE SFP+ optical and Direct Attached Copper modules
EEE (Energy Efficient Ethernet)
Up to 9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Designed to meet PCI Express Specification Revision 3.0
IEEE 802.1Q Tagged VLAN
Intel PROSet Utility for Microsoft Device Manager
Eight lane (x8) PCI Express compatible with x8 and x16 PCI Express slots

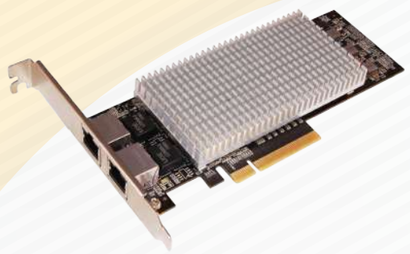
〉N-550 10G to SFP+ Ethernet Media Converter
Solution: Marvell 88X3220
compliant to the IEEE 802.3 standard
Supports common 10GbE SFP+ optical and Direct Attached Copper modules
Energy Efficient Ethernet (EEE)
9K Jumbo Frames
IP, TCP and UPD checksum offloading (IPv4, IPv6) capabilities
Runs up to 10G at RG45 100m Cat 6A cable
No need to install driver

〉N-620 PCIe 2-Port 10G 5-Speed Multi-Gigabit Network Adapter
Solution: ASM1824+(TN4010+88X3310P) x2
Support 5-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb auto negotiation
Runs up to 10G at 100m Cat 6A cable and 5G at 100m Cat 5e/Cat 6 cable
Backward compatibility with 1000Base-T, 100Base-T Networks
PCI Express Gen-2 x4 host bus interface
EEE (Energy Efficient Ethernet)
9K Jumbo Frames
IP, TCP, UDP checksum offloading
IEEE 802.1Q VLAN
Virtual NIC support
Reduced CPU utilization and improved throughput

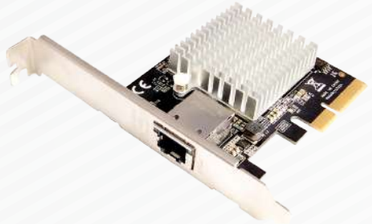
〉N-540 PCIe 10G 5-Speed Multi-Gigabit Network Controller Card
Solution: Aquantia AQC107
Support 5-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb auto- negotiation
PCI Express 3.0 xx
Compliant with IEEE 802.3bz
Energy Efficient Ethernet (EEE)
Up to 16K Jumbo Frames
IP, TCP, UDP checksum offload

〉N-480 PCIe 10G 5-Speed Multi-Gigabit Network Card
Solution: Tehuti TN4010 + Marvell 88X3310P
Support 5-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb auto negotiation
Backward compatibility with 1000Base-T, 100Base-T Networks
PCI Express Gen-2 x4 Host Bus interface
EEE (Energy Efficient Ethernet)
16K Jumbo Frames
IP, TCP, UDP checksum offloading
IEEE 802.1Q Tagged VLAN
Virtual NIC support

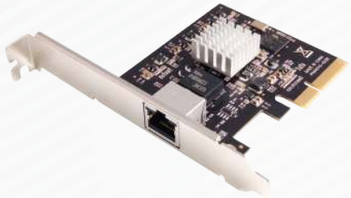
〉N-410 PCIe 10G SFP+ Network Card
Solution: TehutiTN4010 + TI TLK10031
Supports common 10GbE SFP+ optical and Direct Attached Copper modules
PCI Express Gen-2 x4 Host Bus interface
EEE (Energy Efficient Ethernet)
16K Jumbo Frames
IP, TCP, UDP checksum offloading
IEEE 802.1Q Tagged VLAN
Virtual NIC support



N-620 PCIe 2-Port 10G 5-Speed Multi-Gigabit Network Adapter



N-540 PCIe 10G 5-Speed Multi-Gigabit Network Controller Card

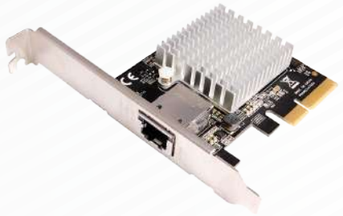


N-480 PCIe 10G 5-Speed Multi-Gigabit Network Card

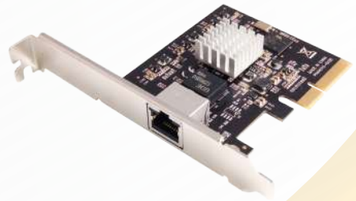
N-410 PCIe 10G SFP+ Network Card

N-660 PCIe 4-Port 2.5G 4-Speed Multi-Gigabit Network Adapter

N-650 PCIe 2-Port 2.5G 4-Speed Multi-Gigabit Network Adapter



N-530 PCIe 5G 4-Speed Multi-Gigabit Network Controller Card



N-470 PCIe 5G 4-Speed Multi-Gigabit Network Controller Card

〉N-660 PCIe 4-Port 2.5G 4-Speed Multi-Gigabit Network Adapter
Solution: Realtek RTL8125
PCIe 2.1 (5.0 GT/s)
Add four 10M/100M/1G/2.5Gbps compatible RJ-45 Ethernet ports
Support IEEE 802.1Q VLAN tagging
Support IEEE 802.3az (Energy Efficient Ethernet)
Support IEEE 802.3bz (2.5GBase-T)
Support Full Duplex flow control (IEEE 802.3x)
Support jumbo frame to 16K bytes

〉N-650 PCIe 2-Port 2.5G 4-Speed Multi-Gigabit Network Adapter
Solution: Realtek RTL8125
PCIe 2.1 (5.0 GT/s)
Add two 10M/100M/1G/2.5Gbps compatible RJ-45 Ethernet ports
Support IEEE 802.1Q VLAN tagging
Support IEEE 802.3az (Energy Efficient Ethernet)
Support IEEE 802.3bz (2.5GBase-T)
Support Full Duplex flow control (IEEE 802.3x)
Support jumbo frame to 16K bytes

〉N-530 PCIe 5G 4-Speed Multi-Gigabit Network Controller Card
Solution: Aquantia AQC108
Support 4-Speed 5Gb/2.5Gb/1Gb/100Mb auto- negotiation
PCI Express Gen-3 xx
Compliant with IEEE 802.3bz
Energy Efficient Ethernet (EEE)
Up to 16K Jumbo Frames
IP, TCP, UDP checksum offload
Reduced CPU utilization and improved throughput

〉N-470 PCIe 5G 4-Speed Multi-Gigabit Network Controller Card
Solution: TN4005 + Marvell 88E2010P
Support 4-Speed 5Gb/2.5Gb/1Gb/100Mb auto negotiation
Backward compatibility with 1000Base-T, 100Base-T Networks
PCI Express Gen-2 x4 host bus interface
EEE (Energy Efficient Ethernet)
9K Jumbo Frames
IP, TCP, UDP checksum offloading
IEEE 802.1Q VLAN
Virtual NIC support
Reduced CPU utilization and improved throughput

Networking Products

〉N-450 PCIe 4-Port Gigabit Ethernet Card

Solution: PI7C9X2G608GP+RTL8111G-CG
Add four 10Mbps/100Mbps/1G compatible RJ-45 Ethernet ports
Designed to meet PCI Express Specification Revision 2.0
Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Supports 10/100/1000M data auto-negotiation
Automatic MDI/MDIX crossover at all speeds
Up to 9K jumbo frame support
Support Wake On Lan (WOL) power management
Feature full duplex mode that doubles the network connections speed

N-450 PCIe 4-Port Gigabit Ethernet Card

〉N-313 PCIe Gigabit Ethernet Card w/WOL

Solution: Realtek RTL8111EL
Single-lane (or x1) PCIe supports rate of 2.5Gbps
Fully Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
10/100/1000M data auto-negotiation
Wake on LAN

N-313 PCIe Gigabit Ethernet Card w/WOL

〉N-381 PCIe Dual Port Gigabit Ethernet Card w/WOL

Solution: Realtek RTL8111G
Compliant with PCIe 1.1 specification
Single-lane (or x1) PCIe supports rate of 2.5Gbps
Full duplex operation
10/100/1000Mbps
Wake on LAN

N-381 PCIe Dual Port Gigabit Ethernet Card w/WOL