

THE **BEST** CONNECTION



www.sunrichtech.com.hk

www.st-lab.com

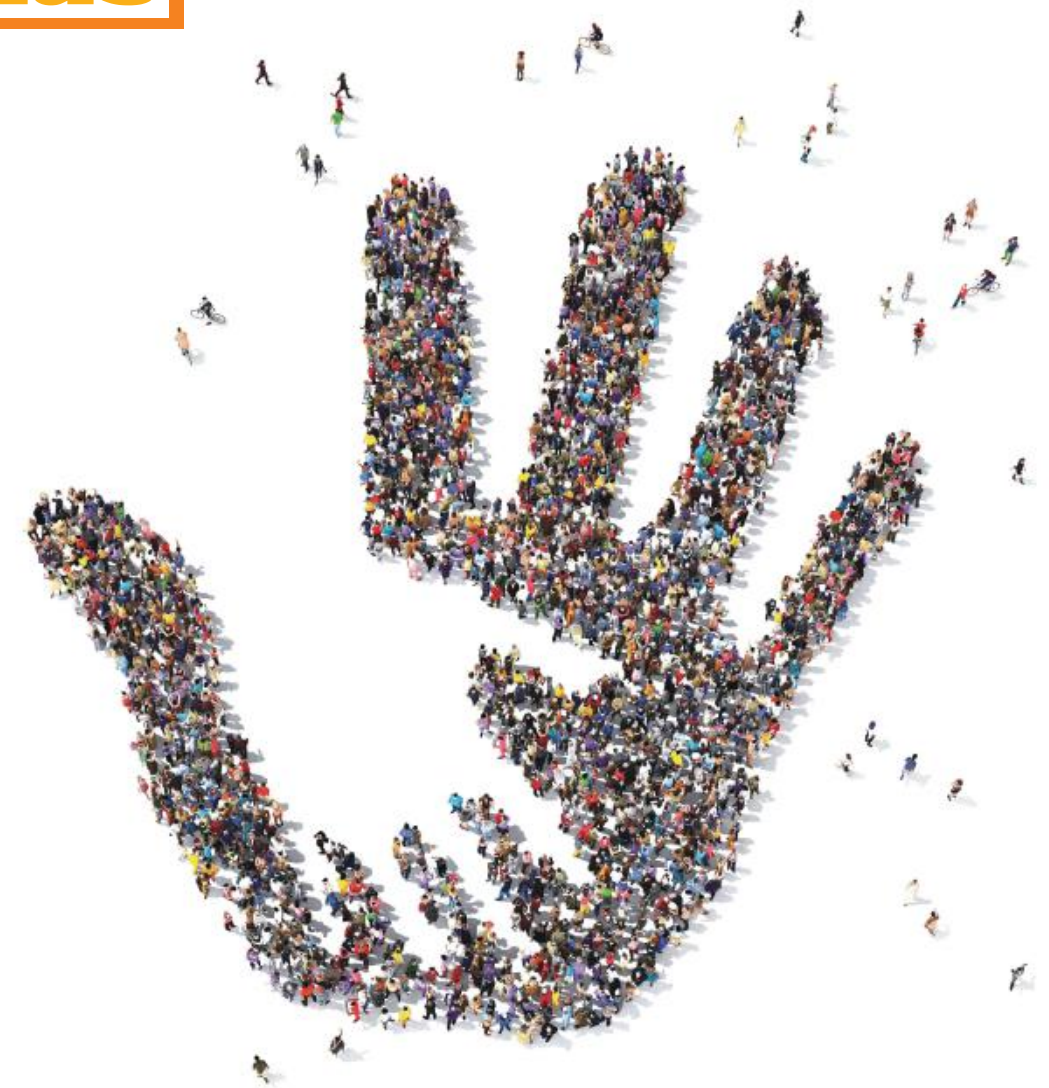
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ST Lab



Sunrich Technology(H.K) Ltd

Product Catalogue 2024



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.

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.



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THE **BEST** CONNECTION

Networking Products

THE BEST CONNECTION



N-1030 Intel 2-Port 100G QSFP28 OCP 3.0 Network Adapter

› N-1030 Intel 2-Port 100G QSFP28 OCP 3.0 Network Adapter

Solution: E810-CAM2
2x 100G QSFP28 Ports
OCP 3.0 Form Factor
PCIe Gen4 x16 host interface
Supports 4C+ connector



N-1020 Intel 1-Port 100G QSFP28 OCP 3.0 Network Adapter

› N-1020 Intel 1-Port 100G QSFP28 OCP 3.0 Network Adapter

Solution: E810-CAM1
1x 100G QSFP28 Port
OCP 3.0 Form Factor
PCIe Gen4 x16 host interface
Supports 4C+ connector



N-910 Intel 4-Port 25G SFP28 OCP 3.0 Network Adapter

› N-910 Intel 4-Port 25G SFP28 OCP 3.0 Network Adapter

Solution: E810-CAM1
4x 25GbE SFP28 Ports
OCP 3.0 Form Factor
PCIe Gen4 x16 host interface
Supports 4C+ connector



N-1000 Intel 2-Port 25G SFP28 OCP 3.0 Network Adapter

› N-1000 Intel 2-Port 25G SFP28 OCP 3.0 Network Adapter

Solution: E810-XXVAM2
2x 25GbE SFP28 Ports
OCP 3.0 Form Factor
PCIe Gen4 x8 host interface
Supports 4C+ connector

OCP 3.0 NIC Products

› **N-840 Intel 4-Port 10G SFP+ OCP 3.0 Network Adapter**

Solution: XL710-BM1
 4x 10GbE SFP+ Ports
 OCP3.0 Form Factor
 Support SR-IOV Based Virtualization
 Data Plane Developer Kit for efficient packet processing (DPDK)

› **N-900 Intel 2-Port 10G SFP+ OCP 3.0 Network Adapter**

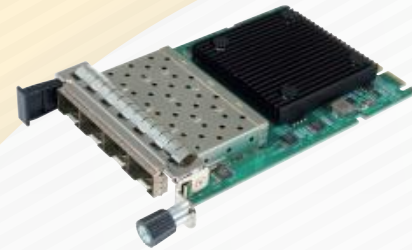
Solution: X710-BM2
 2x 10GbE SFP+ Ports
 PCIe Gen3 x8 host interface
 Compliant with OCP NIC 3.0 specification
 Supports 4C+ connector

› **N-1130 Broadcom 2-Port 10G OCP 3.0 Network Adapter**

Solution: BCM57416
 2x 10GbE RJ45 Ports
 OCP 3.0 Form Factor

› **N-830 Intel 4-Port Gigabit OCP 3.0 Network Adapter**

Solution: I350-AM4
 4x 1GbE RJ45 Ports
 OCP3.0 Form Factor
 Intel I350 GbE Controller
 Energy Efficient Ethernet (EEE)
 Support SR-IOV Based Virtualization



N-840 Intel 4-Port 10G SFP+ OCP 3.0 Network Adapter



N-900 Intel 2-Port 10G SFP+ OCP 3.0 Network Adapter



N-1130 Broadcom 2-Port 10G OCP 3.0 Network Adapter



N-830 Intel 4-Port Gigabit OCP 3.0 Network Adapter



N-1120 Broadcom 4-Port Gigabit OCP 3.0 Network Adapter



N-1040 Intel 2-Port Gigabit OCP 3.0 Network Adapter



N-1110 Broadcom 2-Port Gigabit OCP 3.0 Network Adapter

OCP 3.0 NIC Products

› **N-1120 Broadcom 4-Port Gigabit OCP 3.0 Network Adapter**

Solution: BCM5719
 4x 1GbE RJ45 Ports
 OCP 3.0 Form Factor

› **N-1040 Intel 2-Port Gigabit OCP 3.0 Network Adapter**

Solution: I350-AM2
 2x 1GbE RJ45 Ports
 OCP 3.0 Form Factor

› **N-1110 Broadcom 2-Port Gigabit OCP 3.0 Network Adapter**

Solution: BCM8720L
 2x 1GbE RJ45 Ports
 OCP 3.0 Form Factor

100G / 40G Fiber Products

› N-780 Intel PCIe 2-Port 100G QSFP28 Network Adapter

Solution: E810-CAM2
 2x 100GbE QSFP28 Ports
 PCIe Gen4 x16 form factor
 Supports standard and low-profile systems
 Supports 100G/50G/25G/10Gbps optics, AOC and DAC modules
 Supports IEEE1588 PTP v2 Precision Time Protocol
 Supports both RDMA iWARP and RoCEv2 for high-speed, low-latency connectivity to storage targets

› N-770 Intel PCIe 1-Port 100G QSFP28 Network Adapter

Solution: E810-CAM1
 1x 100GbE QSFP28 Port
 PCIe Gen4 x16 form factor
 Supports standard and low-profile systems
 Supports 100G/50G/25G/10Gbps optics, AOC and DAC modules
 Supports IEEE1588 PTP v2 Precision Time Protocol

› N-570 Intel PCIe 2-Port 40G QSFP+ Network Adapter

Solution: XL710-BM2
 2 x 40GbE QSFP+ Ports
 Up to 9K Jumbo Frames
 Supports common 40GbE QSFP+ optical and Direct Attached Copper modules
 Intel PROSet Utility for Microsoft Device Manager

› N-560 Intel PCIe 1-Port 40G QSFP+ Network Adapter

Solution: XL710-BM1
 1 x 40GbE QSFP+ Port
 Up to 9K Jumbo Frames
 Supports common 40GbE QSFP+ optical and Direct Attached Copper modules
 Intel PROSet Utility for Microsoft Device Manager



N-780 Intel PCIe 2-Port 100G QSFP28 Network Adapter



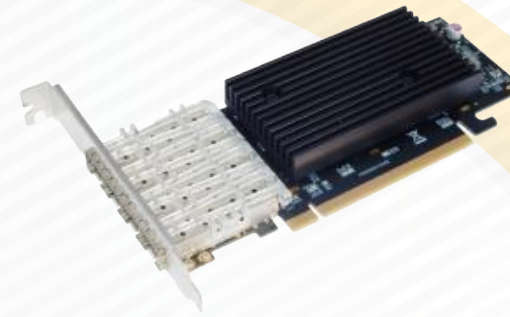
N-770 Intel PCIe 1-Port 100G QSFP28 Network Adapter



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



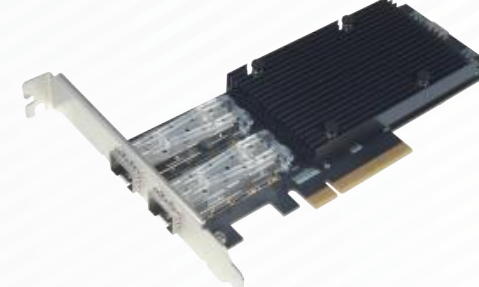
N-560 Intel PCIe 1-Port 40G QSFP+ Network Adapter



N-750 Intel PCIe 4-Port 25G SFP28 Network Adapter



N-611 Intel PCIe 2-Port 25G SFP28 Network Adapter



N-1100 Broadcom 2-Port 25G SFP28 Network Adapter



N-1090 Broadcom 1-Port 25G SFP28 Network Adapter

25G Fiber Products

› N-750 PCIe 4-Port 25G SFP28 Network Adapter

Solution: E810-CAM1
 4 x 25GbE SFP28 Ports
 PCIe Gen4 x16 form factor
 Supports standard and low profile systems
 Supports 25Gbps SFP28 and 10Gbps SFP+ optics, AOC and DAC modules
 Various performance optimization technologies: ADQ, DDP, DPDK
 Supports IEEE1588 PTP v2 Precision Time Protocol

› N-611 Intel PCIe 2-Port 25G SFP28 Network Adapter

Solution: E810-XXVAM2
 2x 25GbE SFP28 ports
 PCIe Gen4 x8 form factor
 Supports low-profile systems
 Supports 25Gbps SFP28 and 10Gbps SFP+ optics, AOC and DAC modules
 Supports IEEE1588 PTP v2 Precision Time Protocol

› N-1100 Broadcom 2-Port 25G SFP28 Network Adapter

Solution: BCM57414
 2x 25GbE SFP28 ports
 PCIe Gen3 x8 Form Factor

› N-1090 Broadcom 1-Port 25G SFP28 Network Adapter

Solution: BCM57412
 1x 25GbE SFP28 port
 PCIe Gen3 x8 Form Factor

10G Fiber Products

› N-460 Intel PCIe 4-Port 10G SFP+ Network Adapter

Solution: XL710-BM1
 4x 10GbE SFP+ Ports
 Supports common 10GbE SFP+ optical and Direct Attached Copper modules
 Up to 9K Jumbo Frames
 Intel PROSet Utility for Microsoft Device Manager

› N-1080 Broadcom PCIe 2-Port 10G SFP+ Network Adapter

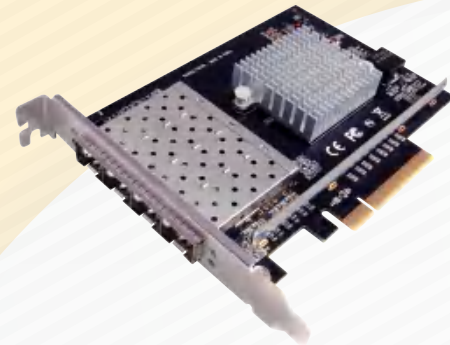
Solution: BCM57412
 2x 10GbE SFP+ Ports
 PCIe Gen3 x8 Form Factor

› N-520 Intel PCIe 2-Port 10G SFP+ Network Adapter

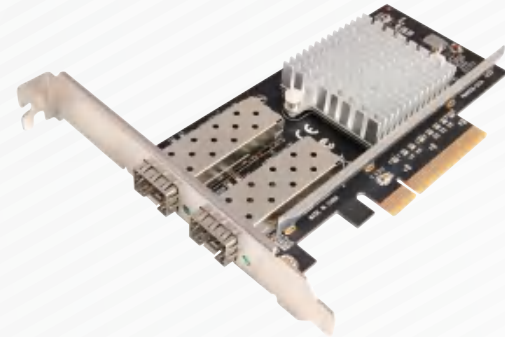
Solution: JL82599ES
 2x 10GbE SFP+ Ports
 Up to 9K Jumbo Frames
 Supports common 10GbE SFP+ optical and Direct Attached Copper modules
 Intel PROSet Utility for Microsoft Device Manager

› N-670 Marvell PCIe 1-Port 10G SFP+ Network Adapter

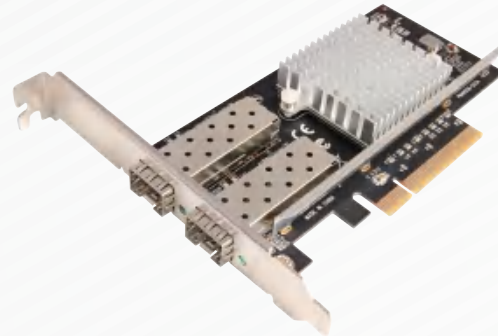
Solution: AQC100S
 1x 10GbE SFP+ Port
 Supports common 10GbE SFP+ optical and Direct Attached Copper modules
 PCI Express Gen-3 x4 Host Bus interface
 16K Jumbo Frames
 Virtual NIC support
 Reduced CPU utilization and improved throughput



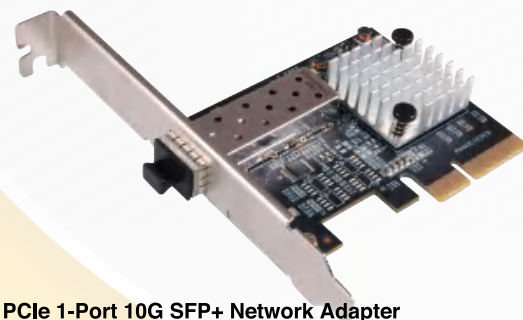
N-460 Intel PCIe 4-Port 10G SFP+ Network Adapter



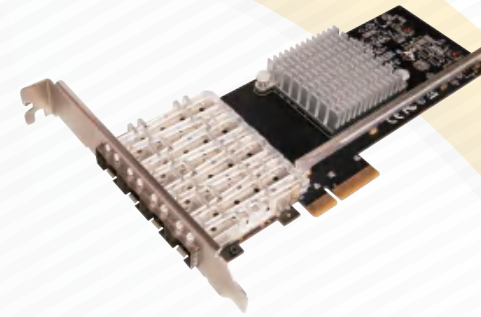
N-1080 Broadcom PCIe 2-Port 10G SFP+ Network Adapter



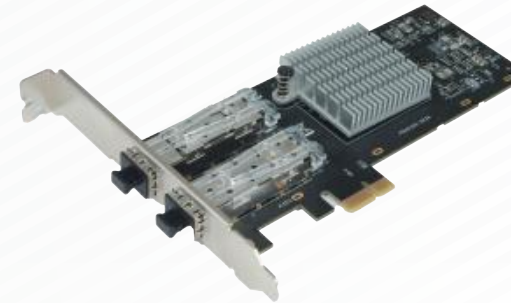
N-520 Intel PCIe 2-Port 10G SFP+ Network Adapter



N-670 Marvell PCIe 1-Port 10G SFP+ Network Adapter



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



N-860 Intel PCIe 2-Port Gigabit SFP Network Adapter



N-850 Intel PCIe 1-Port Gigabit SFP Network Adapter

1G Fiber Products

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

Solution: I350-AM4
 4x 1GbE SFP Ports
 Quad port full height 1G adapter
 Supports common 1G SFP optical and Direct Attached Copper modules
 Up to 9K Jumbo Frames
 Intel PROSet Utility for Microsoft Device Manager

› N-860 Intel PCIe 2-Port Gigabit SFP Network Adapter

Solution: I350-AM2
 2x 1GbE SFP Ports
 Up to 9K Jumbo Frames
 IP, TCP and UDP checksum offloading (IPv4, IPv6) capabilities
 Designed to meet PCI Express Specification Revision 2.0
 One lane (x1) PCI Express compatible with x4, x8 and x16 PCI Express slots
 Intel PROSet Utility for Microsoft Device Manager

› N-850 Intel PCIe 1-Port Gigabit SFP Network Adapter

Solution: I210-IS
 1x 1GbE SFP Port
 Supports common 1G SFP optical and Direct Attached Copper modules
 Up to 9.5K Jumbo Frames
 Designed to meet PCI Express Specification Revision 2.1
 One lane (x1) PCI Express compatible with x4, x8 and x16 PCI Express slots
 IEEE 802.1Q Tagged VLAN
 Supports Preboot eXecution Environment (PXE)

10G Copper Products

› N-820 Marvell PCIe 4-Port 10G 6-Speed Multi-Gigabit Network Adapter

Solution: AQC113CS
 4x 10GbE RJ45 Ports
 PCI Express 3.0 x8
 Energy Efficient Ethernet (EEE)
 Up to 16K Jumbo Frames
 Support WOL



N-820 Marvell PCIe 4-Port 10G 6-Speed Multi-Gigabit Network Adapter

› N-1070 Broadcom PCIe 2-Port 10G 2-Speed Multi-Gigabit Network Adapter

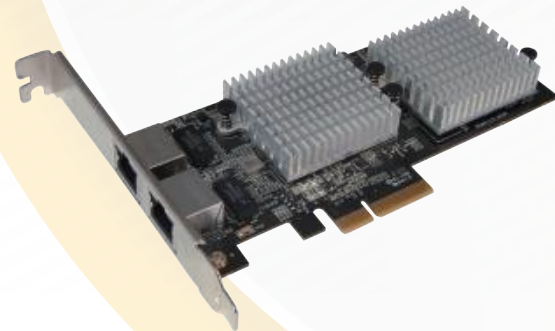
Solution: BCM57412
 2x 10GbE RJ45 Ports
 PCIe Gen3 x8 Form Factor



N-1070 Broadcom PCIe 2-Port 10G 2-Speed Multi-Gigabit Network Adapter

› N-790 Marvell PCIe 2-Port 10G 6-Speed Multi-Gigabit Network Adapter

Solution: AQC113CS
 2x10GbE RJ45 Ports
 Support 6-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb/10Mb auto- negotiation
 PCI Express 3.0 x4
 Compliant with IEEE 802.3bz, 802.3an
 Energy Efficient Ethernet (EEE)
 Up to 16K Jumbo Frames
 IP, TCP, UDP checksum offload
 Support WOL



N-790 Marvell PCIe 2-Port 10G 6-Speed Multi-Gigabit Network Adapter

10G Copper Products

› N-440 Intel PCIe 2-Port 10G 5-Speed Multi-Gigabit Network Adapter

Solution: X550-AT2
 2x 10GbE RJ45 Ports
 Up to 20Gbps (full duplex) bandwidth
 Up to 9K jumbo frame support
 Support 5-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb auto negotiation
 Compliant with 10GBase-T and NBASE-T specifications



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

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

Solution: TN4010
 2x 10GbE RJ45 Ports
 Support 5-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb auto negotiation
 PCI Express Gen-2 x8 host bus interface
 9K Jumbo Frames



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

› N-760 Marvell PCIe 10G 6-Speed Multi-Gigabit Network Adapter

Solution: AQC113CS
 1x 10GbE RJ45 Port
 Supports 6-Speed 10Gb/5Gb/2.5Gb/1Gb/100Mb/10Mb auto- negotiation
 PCI Express 4.0 x1, PCI Express 3.0 x2 or PCI Express 2.0 x2
 Compliant with IEEE 802.3bz, 802.3an
 Up to 16K Jumbo Frames
 IP, TCP, UDP checksum offload



N-760 PCIe 10G 6-Speed Multi-Gigabit Network Network Adapter

5G Copper Products

› N-1010 Realtek PCIe 4-Port 5G 5-Speed Multi-Gigabit Network Adapter

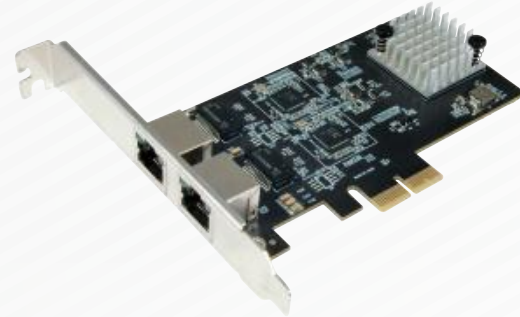
Solution: RTL8126
 4x 5GbE RJ45 Ports
 PCIe Gen3 x4 form factor
 Runs 5Gbps on Cat 5E cable up to 100m
 Supports Wake-On-LAN (WoL) and Preboot
 Up to 16KB jumbo frame
 Checksum and TSO offload
 Network ARP and NS offload



N-1010 Realtek PCIe 4-Port 5G 5-Speed Multi-Gigabit Network Adapter

› N-950 Realtek PCIe 2-Port 5G 5-Speed Multi-Gigabit Network Adapter

Solution: RTL8126
 2x 5GbE RJ45 Ports
 PCIe Gen3 x2 form factor
 Supports Wake-On-LAN (WoL)
 Up to 16KB jumbo frame
 Up to 16KB jumbo frame
 Checksum and TSO offload
 Network ARP and NS offload



N-950 Realtek PCIe 2-Port 5G 5-Speed Multi-Gigabit Network Adapter

› N-920 Realtek PCIe 5G 5-Speed Multi-Gigabit Network Adapter

Solution: RTL8126
 1x 5GbE RJ45 Port
 PCIe Gen3 x1 form factor
 Supports standard and low profile systems
 Supports 5-speed 5G/2.5G/1G/100M/10Mbps auto negotiation
 Supports Wake-On-LAN (WoL)
 Up to 16KB jumbo frame
 Checksum and TSO offload
 Network ARP and NS offload

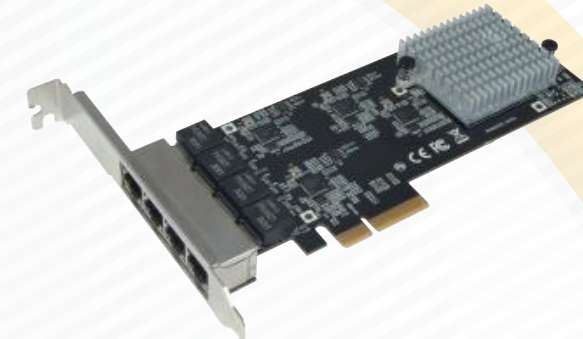


N-920 Realtek PCIe 5G 5-Speed Multi-Gigabit Network Adapter

2.5G Copper Products

› N-810 Intel PCIe 4-Port 2.5G 4-Speed Multi-Gigabit Network Adapter

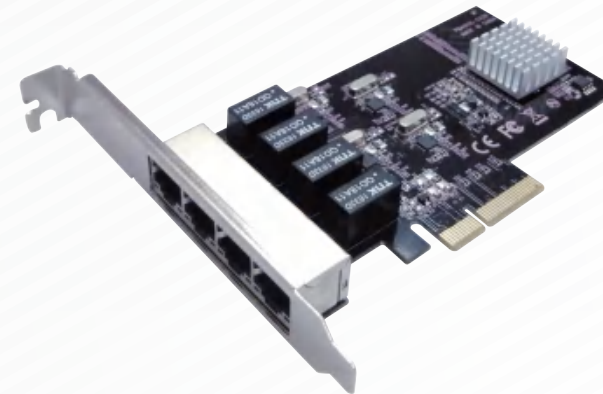
Solution: Intel I225-V
 4x 2.5GbE RJ45 Ports
 PCIe x4 form factor compatible with x8 and x16 PCI Express slots
 Supports Preboot eXecution Environment (PXE)
 LED indicators indicate status of link/ activity and speed
 Supports Jumbo Frames up to 9K
 Supports WOL (Only Port 1)



N-810 Intel PCIe 4-Port 2.5G 4-Speed Multi-Gigabit Network Adapter

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

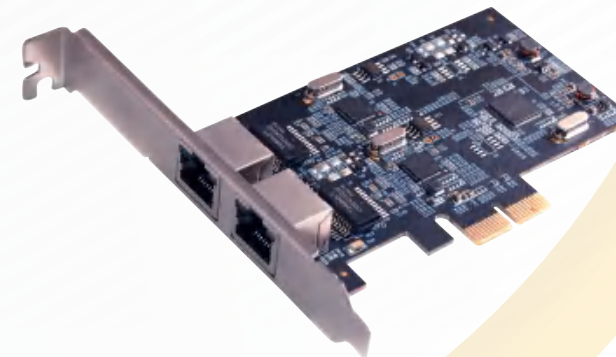
Solution: RTL8125B
 4x 2.5GbE RJ45 Ports
 Supports 10/100/1000/2500 Mbps Ethernet
 Supports WOL (only port 1)
 Support jumbo frame to 16K bytes



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

› N-700 Intel PCIe 2-Port 2.5G 4-Speed Multi-Gigabit Network Adapter

Solution: I225-V
 2x 2.5GbE RJ45 Ports
 PCIe x2 form factor compatible with x4, x8 and x16 PCI Express slots
 Supports 10/100/1000/2500 Mbps Ethernet
 Supports Preboot eXecution Environment (PXE)
 LED indicators indicate status of link/ activity and speed
 Supports Jumbo Frames up to 9K
 Supports WOL



N-700 Intel PCIe 2-Port 2.5G 4-Speed Multi-Gigabit Network Adapter

2.5G Copper Products

› N-651 Realtek PCIe 2-Port 2.5G 4-Speed Multi-Gigabit Network Adapter

Solution: RTL8125B
 2x 2.5GbE RJ45 Ports
 PCIe 2.1 (5.0 GT/s)
 Support IEEE 802.3bz (2.5GBase-T)
 Support Full Duplex flow control (IEEE 802.3x)
 Support jumbo frame to 16K bytes



N-651 Realtek PCIe 2-Port 2.5G 4-Speed Multi-Gigabit Network Adapter

› N-690 Intel PCIe 2.5G 4-Speed Multi-Gigabit Network Adapter

Solution: I225-V
 1x 2.5GbE RJ45 Port
 Supports 10BASE-T, 100BASE-T, 1000BASE-T and 2.5GBASE-T
 Supports 10/100/1000/2500 Mbps Ethernet
 Compliant to PCIe 2.0
 Supports Preboot eXecution Environment (PXE)
 LED indicators indicate status of link/ activity and speed
 Supports Jumbo Frames up to 9K
 Supports WOL
 No need to install drivers on Linux



N-690 Intel PCIe 2.5G 4-Speed Multi-Gigabit Network Adapter

› N-641 Realtek PCIe 2.5G 4-Speed Multi-Gigabit Network Adapter

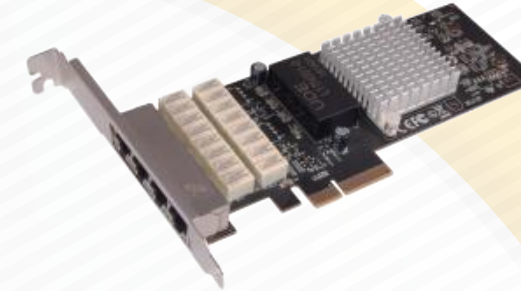
Solution: RTL8125B
 1x 2.5GbE RJ45 Port
 Supports PCI Express 2.1
 Supports 10/100/1000/2500 Mbps Ethernet
 Supports WOL
 LEDs indicate the status of including Link/Activity (Green)



N-641 Realtek PCIe 2.5G 4-Speed Multi-Gigabit Network Adapter

1G Copper Products

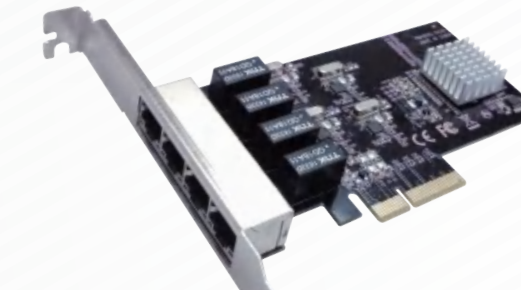
N-590 Intel PCIe 4-Port Gigabit Server Adapter with LAN Bypass



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



N-580 Intel PCIe 4-Port Gigabit Server Adapter



N-451 Realtek PCIe 4-Port Gigabit Network Adapter



N-1060 Broadcom PCIe 4-Port Gigabit Network Adapter

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

Solution: I350-AM4
 4x 1GbE RJ45 Ports
 Up to 9KB Jumbo frames
 LAN Bypass

› N-580 Intel PCIe 4-Port Gigabit Server Adapter

Solution: I350-AM4
 4x 1GbE RJ45 Ports
 Teaming support
 Jumbo Frame support

› N-451 Realtek PCIe 4-Port Gigabit Network Adapter

Solution: RTL8111H
 4x 1GbE RJ45 Ports
 Up to 9K jumbo frame support
 Support Wake On Lan (WOL) power management

› N-1060 Broadcom PCIe 4-Port Gigabit Network Adapter

Solution: BCM5719
 4x 1GbE RJ45 Ports
 PCIe Gen2 x4 Form Factor

1G Copper Products

› N-1050 Broadcom PCIe 2-Port Gigabit Network Adapter

Solution: BCM5720L
2x 1GbE RJ45 Ports
PCIe Gen2 x2 Form Factor

› N-390 Intel PCIe 2-Port Gigabit Network Adapter

Solution: I350-AM2
2x 1GbE RJ45 Ports
Intel PROSet Utility for Microsoft Device Manager
Teaming support
Jumbo Frame support
Support Wake On Lan (WOL) power management

› N-382 Realtek PCIe 2-Port Gigabit Network Adapter

Solution: RTL8111H
2x 1GbE RJ45 Ports
Automatic MDI/MDIX crossover at all speeds
Up to 9K jumbo frame support
Supports Wake On Lan (WOL) power management

› N-314 Realtek PCIe 1-Port Gigabit Network Adapter

Solution: RTL8111H
1x 1GbE RJ45 Port
10/100/1000M data auto-negotiation
LEDs indicate the status of data transmission
Support Wake on Lan (WOL) power management (optional)
Feature full duplex mode that doubles the network connections speed



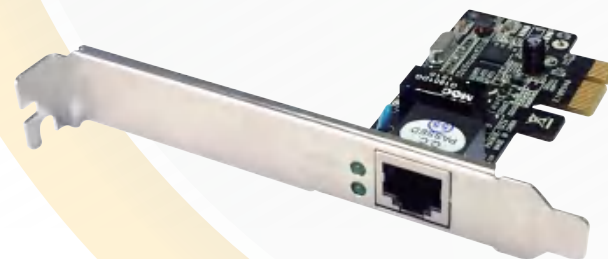
N-1050 Broadcom PCIe 2-Port Gigabit Network Adapter



N-390 Intel PCIe 2-Port Gigabit Network Adapter



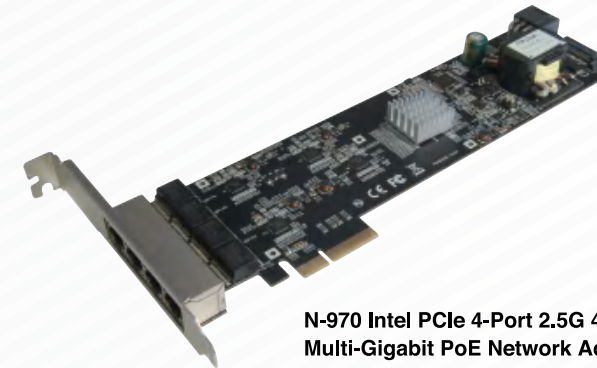
N-382 Realtek PCIe 2-Port Gigabit Network Adapter



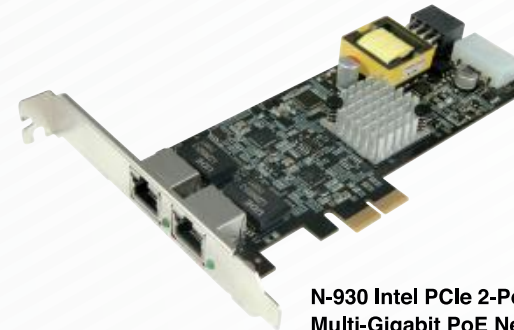
N-314 Realtek PCIe 1-Port Gigabit Network Adapter



N-960 Marvell PCIe 10G 6-Speed Multi-Gigabit PoE Network Adapter



N-970 Intel PCIe 4-Port 2.5G 4-Speed Multi-Gigabit PoE Network Adapter



N-930 Intel PCIe 2-Port 2.5G 4-Speed Multi-Gigabit PoE Network Adapter



N-680 Intel PCIe 2.5G 4-Speed Multi-Gigabit PoE Network Adapter

PoE Products

› N-960 Marvell PCIe 10G 6-Speed Multi-Gigabit PoE Network Adapter

Solution: AQC113CS
1x 10GbE RJ45 Port
PCIe Gen3 x2 form factor
Support 10/100/1000/2500/5000/10000 Mbps Ethernet
Support WoL and Preboot
IEEE 802.3at Type-2 PSE, supports 30W

› N-970 Intel PCIe 4-Port 2.5G 4-Speed Multi-Gigabit PoE Network Adapter

Solution: I225-V
4x 2.5 GbE RJ45 Ports
PCIe Gen2 x4 Form Factor

› N-930 Intel PCIe 2-Port 2.5G 4-Speed Multi-Gigabit PoE Network Adapter

Solution: I225-V
2x 2.5GbE RJ45 Ports
PCIe Gen2 x2 form factor
Support low profile
Support WoL and Preboot
Supports 30W on each port

› N-680 Intel PCIe 2.5G 4-Speed Multi-Gigabit PoE Network Adapter

Solution: I225-V
1x 2.5GbE RJ45 Port
Support Jumbo Frames up to 9K
Support WOL
PoE output power 30W

PoE Products

› N-1140 1-Port PoE Injector 90W

Solution: IC Plus IP8002
1x 1GbE RJ45 Ports
Supports PoE power up to 90W
Supports 1G/100M/10Mbps network speed

› N-990 2-Port PoE Injector 30W

Solution: IC Plus IP802AR
2x 1GbE RJ45 Ports
Supports PoE power up to 30W
Supports 1G/100M/10Mbps network speed

› N-890 1-Port PoE Injector 30W

Solution: IC Plus IP802AR
1x 1GbE RJ45 Ports
Supports PoE power up to 30W
Supports 1G/100M/10Mbps network speed

› N-980 2-Port PoE Injector 15.4W

Solution: IC Plus IP802AR
2x 1GbE RJ45 Ports
Supports PoE power up to 15.4W
Supports 1G/100M/10Mbps network speed

› N-880 1-Port PoE Injector 15.4W

Solution: IC Plus IP802AR
1x 1GbE RJ45 Ports
Supports PoE power up to 15.4W
Supports 1G/100M/10Mbps network speed

N-1140 1-Port PoE Injector 90W

N-990 2-Port PoE Injector 30W

N-890 1-Port PoE Injector 30W

N-980 2-Port PoE Injector 15.4W

N-880 1-Port PoE Injector 15.4W

PCIe USB 20Gbps

THE BEST CONNECTION

PCIe USB 20Gbps

› U-2510 PCIe Quad Bus USB 20Gbps Host Adapter (1x USB-C 20 Gbps + 3x USB-A 10Gbps Ports)

Solution: ASM3242
3x USB-A 10Gbps Ports
1x USB-C 20Gbps Ports
PCIe Gen3 x8 standard profile form factor

› U-2520 PCIe Quad Bus USB 20Gbps Host Adapter (2x USB-C 20 Gbps + 2x USB-A 10Gbps Ports)

Solution: ASM3242
2x USB-A 10Gbps Ports
2x USB-C 20Gbps Ports
PCIe Gen3 x8 standard profile form factor

› U-2380 PCIe 3 Ports USB 20Gbps Host Adapter (1x USB-C 20 Gbps + 2x USB-A 10Gbps Ports)

Solution: ASM2812+ASM3242+ASM3142
1x USB-C 20Gbps Port
2x USB-A 10Gbps Ports
PCI-Express x8
Support USB Battery Charging 1.2 (only Type-A)

› U-2350 PCIe Dual Bus 2 Ports USB 20Gbps Host Adapter (2x USB-C 20Gbps Ports)

Solution: ASM1824+ASM3242 x2
2x USB-C 20Gbps Ports
PCI-Express 2.0 x8
Total bandwidth up to 32Gbps

› U-2290 PCIe Type-C USB 20Gbps Host Adapter

Solution: ASM3242
1x USB-C 20Gbps Port
PCI Express Gen3 x4



U-2510 PCIe Quad Bus USB 20Gbps Host Adapter (1 x USB-C 20Gbps + 3 x USB-A 10Gbps Ports)



U-2520 PCIe Quad Bus USB 20Gbps Host Adapter (2x USB-C 20Gbps + 2x USB-A 10Gbps Ports)



U-2380 PCIe 3 Ports USB 20Gbps Host Adapter (1x USB-C 20Gbps + 1x USB-A 10Gbps Ports)



U-2350 PCIe Dual Bus 2 Ports USB 20Gbps Host Adapter (2x USB-C 20Gbps Ports)



U-2290 PCIe Type-C USB 20Gbps Host Adapter

PCIe USB 10Gbps



THE BEST CONNECTION

PCIe USB 10Gbps

› U-2500 PCIe Quad Bus USB 10Gbps Host Adapter (4x USB-A 10Gbps Ports)

Solution: ASM3242
 4 x USB-A 10Gbps Ports
 PCIe Gen3 x8 standard profile form factor
 Quad USB 3.2 host controller architecture
 Type-A port supports USB 3.2 Gen 2 data rate of up to 10Gbps
 Support Multiple INs
 Support USB hot-plug

› U-2340 PCIe 5 Ports USB 10Gbps Host Adapter (3x USB-C + 1x USB-A External + 1x USB-A Internal Ports)

Solution: ASM3142 + VL822-Q8
 3x USB-C 10Gbps Ports
 1x USB-A 10Gbps External Port
 1x USB-A 10Gbps Internal Port
 Up to 10Gbps Bandwidth Performance with Low Latency
 Support USB Battery Charging 1.2 (Only Type-A)
 Support Multiple INs
 Compliant with UASP Revision 1.0

› U-2330 PCIe 5 Ports USB 10Gbps Host Adapter (4x USB-C 10Gbps + 1x USB-A Internal Ports)

Solution: ASM3142 + VL822-Q8
 4x USB-C 10Gbps Ports
 1x USB-A 10Gbps Internal Port
 Up to 10Gbps Bandwidth Performance with Low Latency
 Support USB Battery Charging 1.2 (Only Type-A)
 Support Multiple INs



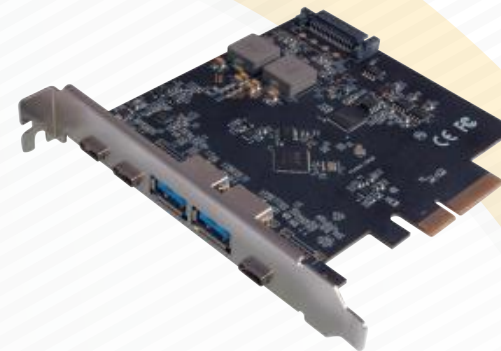
U-2500 PCIe Quad Bus USB 10Gbps Host Adapter (4x USB-A 10Gbps Ports)



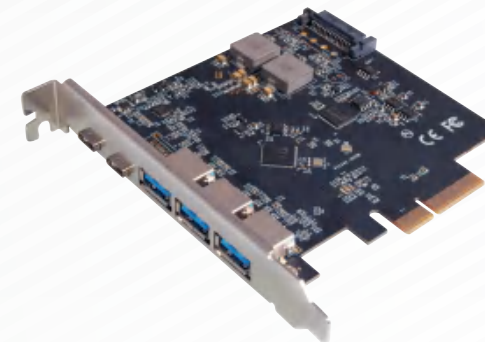
U-2340 PCIe 5 Ports USB 10Gbps Host Adapter (3x USB-C + 1x USB-A External + 1x USB-A Internal Ports)



U-2330 PCIe 5 Ports USB10Gbps Host Adapter (4x USB-C 10Gbps + 1x USB-A Internal Ports)



U-2320 PCIe 5 Ports USB10Gbps Host Adapter (3x USB-C 10Gbps + 1x USB-A 10Gbps Ports)



U-2310 PCIe 5 Ports USB10Gbps Host Adapter (2x USB-C 10Gbps + 3x USB-A 10Gbps Ports)



U-2300 PCIe 5 Ports USB10Gbps Host Adapter (1x USB-C 10Gbps + 4x USB-A 10Gbps Port)

PCIe USB 10Gbps

› U-2320 PCIe 5 Ports USB 10Gbps Host Adapter (3x USB-C 10Gbps + 1x USB-A 10Gbps Ports)

Solution: ASM3142 + VL822-Q8
 3x USB-C 10Gbps Ports
 2x USB-A 10Gbps Ports
 Up to 10Gbps Bandwidth Performance with Low Latency
 Support USB Battery Charging 1.2 (Only Type-A)
 Support Multiple INs

› U-2310 PCIe 5 Ports USB 10Gbps Host Adapter (2x USB-C 10Gbps + 3x USB-A 10Gbps Ports)

Solution: ASM3142 + VL822-Q8
 2x USB-C 10Gbps Ports
 3x USB-A 10Gbps Ports
 Up to 10Gbps Bandwidth Performance with Low Latency
 Support USB Battery Charging 1.2 (Only Type-A)
 Support Multiple INs

› U-2300 PCIe 5 Ports USB 10Gbps Host Adapter (1x USB-C 10Gbps + 4x USB-A 10Gbps Port)

Solution: ASM3142 + VL822-Q8
 1x USB-C 10Gbps Ports
 4x USB-A 10Gbps Ports
 Up to 10Gbps Bandwidth Performance with Low Latency
 Support USB Battery Charging 1.2 (Only Type-A)
 Support Multiple INs

PCIe USB 10Gbps

› U-1910 PCIe Dual Bus 4 Ports USB 10Gbps Host Adapter (2x USB-C 10Gbps + 2x USB-A 10Gbps Ports)

Solution: ASM3142
PCI-Express 2.0 x4
2x USB-C 10Gbps Ports
2x USB-A 10Gbps Ports



U-1910 PCIe Dual Bus 4 Ports USB 10Gbps Host Adapter
(2x USB-C 10Gbps + 2x USB-A 10Gbps Ports)

› U-1900 PCIe Dual Bus 4 Ports USB 10Gbps Host Adapter (4x USB-A 10Gbps Ports)

Solution: ASM3142
PCI-Express 2.0 x4
4x USB-A 10Gbps Ports



U-1900 PCIe Dual Bus 4 Ports USB 10Gbps Host Adapter
(4x USB-A 10Gbps Ports)

› U-1850 PCIe Dual Bus 4 Ports USB 10Gbps Host Adapter (1x USB-C 10Gbps + 3x USB-A 10Gbps Ports)

Solution: ASM3142
PCI-Express 2.0 x4
1x USB-C 10Gbps Ports
3x USB-A 10Gbps Ports



U-1850 PCIe Dual Bus 4 Ports USB 10Gbps Host Adapter
(1x USB-C 10Gbps + 3x USB-A 10Gbps Ports)



USB Devices

THE BEST CONNECTION

USB Devices

› U-2710 USB4 40Gbps 10G Ethernet Adapter

Solution: ASM2464PDX+AQC113CS
 1x 10GbE RJ45 Port
 USB4 40Gbps, compliant with Thunderbolt 3/4

› U-2630 USB 10Gbps HDMI™+DP Dual 4K Docking Station with 100W PD

› U-2620 USB 10Gbps HDMI™+DP Dual 4K Docking Station with 60W PD

Solution: DL6950 + VL822 + VL817 + GL3224
 2x HDMI™
 2x DisplayPort
 3x USB-C 10Gbps ports (One upstream, two downstream)
 3x USB-A 5Gbps ports
 1x RJ45
 1x SD slot
 1x microSD slot
 2x Audio (3.5mm)
 1x DC-in

› U-2660 USB-A 10Gbps Multiport Adapter (2.5GbE + 1X USB-C 10Gbps + 2x USB-A 10Gbps)

Solution: VL822-Q8 + RTL8156B
 2x USB-A 10Gbps Ports
 1x USB-C 10Gbps Port
 1x RJ45 10/100/1000/2500 Mbps
 Up to 16K jumbo frame
 Plug-n-Play installation on Windows

› U-2670 USB-C 10Gbps Multiport Adapter (2.5GbE + 1x USB-C 10Gbps + 2x USB-A 10Gbps)

Solution: VL822-Q8 + RTL8156B
 2x USB-A 10Gbps Ports
 1x USB-C 10Gbps Port
 1x RJ45 10/100/1000/2500 Mbps
 Up to 16K jumbo frame
 Plug-n-Play installation on Windows



U-2710 USB4 40Gbps 10G Ethernet Adapter



U-2660 USB-A 10Gbps Multiport Adapter (2.5GbE + 1X USB-C 10Gbps + 2x USB-A 10Gbps)



U-2630 USB 10G HDMI™+DP Dual 4K Docking Station with 100W PD
 U-2620 USB 10G HDMI™+DP Dual 4K Docking Station with 60W PD



U-2670 USB-C 10Gbps Multiport Adapter (2.5GbE + 1X USB-C 10Gbps + 2x USB-A 10Gbps)



B-190 USB Bluetooth 5.0 Adapter



S-400 USB4 40Gbps NVMe SSD Enclosure



S-390 USB 20Gbps Type-C NVMe SSD Enclosure



S-380 USB 10Gbps Type-C NVMe SSD Enclosure

USB Devices

› B-190 USB Bluetooth 5.0 Adapter - Class 2

Solution: RTL8761B
 USB 1.1 full-speed dongle in miniature size
 Supports Bluetooth v5 core specification
 Dual mode BR/EDR+BLE
 Enhanced BT/Wi-Fi coexistence control
 EDR data rate of up to 2Mbps
 Class 1.5 operation range of up to 20m

› S-400 USB4 40Gbps NVMe SSD Enclosure

Solution: ASM2464PD
 Supports USB4 Gen3 x2 Type-C host connection of up to 40Gbps
 Supports BOT and UAS protocols
 Supports PCIe Gen4 x4 NVMe SSD at 2280 / 2260 / 2242 / 2230 M.2 form factor
 Bus-powered device, supports USB Power Delivery over Type-C
 Tool-less design for trouble-free M.2 SSD drive installation
 Compatible with Thunderbolt 3 and 4 host

› S-390 USB 20Gbps Type-C NVMe SSD Enclosure

Solution: ASM2364
 Data rate up to 20Gbps
 Supports PCIe 3.0 x4 M.2 NVMe SSD
 Supports 2280, 2260 2242 and 2230 M.2 form factors
 LED status

› S-380 USB 10Gbps Type-C NVMe SSD Enclosure

Solution: RTL9210
 Data transfer rate up to 10Gbps
 Supports PCIe 3.0 x2 NVMe M.2 SSD
 Supports 2280, 2260 and 2242 M.2 form factors

IPC & POS Products

THE BEST CONNECTION



IP-190 PCIe RS-422/485 4-Port Card



IP-180 PCIe RS-422/485 2-Port Card



IU-180 Industrial USB 2.0 7-Port Hub



IU-170 Industrial USB 2.0 4-Port Hub



IPC Products

> IP-190 PCIe RS-422/485 4-Port Card

Solution: Exar XR17V354
Compliant with PCI Express 2.0 Gen 1
Supports x1, x4, x8, x16 (lane) PCI Express Bus connector keys
256-byte TX and RX FIFOs
Up to 25 Mbps serial data rate
RS-422 and RS-485 auto detect and switching

> IP-180 PCIe RS-422/485 2-Port Card

Solution: Exar XR17V352
Compliant with PCI Express 2.0 Gen 1
Supports x1, x4, x8, x16 (lane) PCI Express Bus connector keys
256-byte TX and RX FIFOs
Up to 25 Mbps serial data rate
RS-422 and RS-485 auto detect and switching

> IU-180 Industrial USB 2.0 7-Port Hub

Solution: Genesys GL850G-SSOP28
Compliant with USB 2.0 Specifications
Data transfer rate up to 480Mbps
±20KV ESD protection on all signal and power pins
Terminal Block power input support from 9 up to 40VDC
Metal chassis

> IU-170 Industrial USB 2.0 4-Port Hub

Solution: Genesys GL850G-SSOP28
Compliant with USB 2.0 Specifications
Data transfer rate up to 480Mbps
±20KV ESD protection on all signal and power pins
Terminal Block power input support from 9 up to 40VDC
Metal chassis

IPC Products



IU-160 Industrial USB 3.0 10-Port Hub



IU-131 Industrial USB 3.0 4-Port Hub



IU-141 Industrial USB 3.0 7-Port Hub



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



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



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



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



CP-140 RS-232 2-Port PCIe Card with Power



CP-150 RS-232 4-Port PCIe Card with Power

› IU-160 Industrial USB 3.0 10-Port Hub

Solution: VIA VL817

Compliant with USB 3.0 Specifications

Data transfer rate up to 5Gbps

±20KV ESD protection on all signal and power pins

Terminal Block power input support from 9 up to 40VDC

Metal chassis

› IU-141 Industrial USB 3.0 7-Port Hub

Solution: VL817

Compliant with USB 3.0 Specifications

Data transfer rate up to 5Gbps

±20KV ESD protection on all signal and power pins

Terminal Block power input support from 9 up to 40VDC

Metal chassis

› IU-131 Industrial USB 3.0 4-Port Hub

Solution: VL817

Compliant with USB 3.0 Specifications

Data transfer rate up to 5Gbps

±20KV ESD protection on all signal and power pins

Terminal Block power input support from 9 up to 40VDC

Metal chassis

› 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

IPC Products

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

Solution: FTDI FT2232

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

Solution: FTDI FT232

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

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

Solution: Discrete Logic

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

› CP-140 RS-232 2-Port PCIe Card with Power

Solution: XR17V352

RS-232 serial ports with communications speeds up to 230Kbps

With highly reliable Exar native PCI Express 16550 UART controller

256-byte deep transmit/receive FIFOs

Provides 5VDC or 12VDC power output via pin 1/4/8/9

15KV ESD protection on all signal pins

Plug-n-Play, I/O address and IRQ assigned by BIOS

› CP-150 RS-232 4-Port PCIe Card with Power

Solution: XR17V354

RS-232 serial ports with communications speeds up to 230Kbps

With highly reliable Exar native PCI Express 16550 UART controller

256-byte deep transmit/receive FIFOs

Provides 5VDC or 12VDC power output via pin 1/4/8/9

15KV ESD protection on all signal pins

Plug-n-Play, I/O address and IRQ assigned by BIOS

PCI Express Cards

THE BEST CONNECTION



A-590 8-Port SATA 6G PCIe Card



A-620 PCIe Dual M.2 NVMe SSD RAID Controller Card



I-343 PCI-E 4S Serial Card

PCI Express Cards

> **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

Data transfer rate up to 6.0Gbps

Support ATA and ATAPI commands

Support Native Command Queue (NCQ)

PCIe x4 interface

Hot plug and Hot Swap

> **A-620 PCIe Dual M.2 NVMe SSD RAID Adapter**

Solution: Marvell 88NR2241

PCIe Gen3 x8

Supports PCIe Gen3 x4 (M) and x2 (B+M), 22110/2280/2260/2242

M.2 form factor NVMe SSD modules

Hardware RAID 0,1

Bootable

> **I-343 PCIe 4S Serial Card**

Solution: MCS9904

4x DB9 male serial connectors

Data transfer rate up to 230400bps

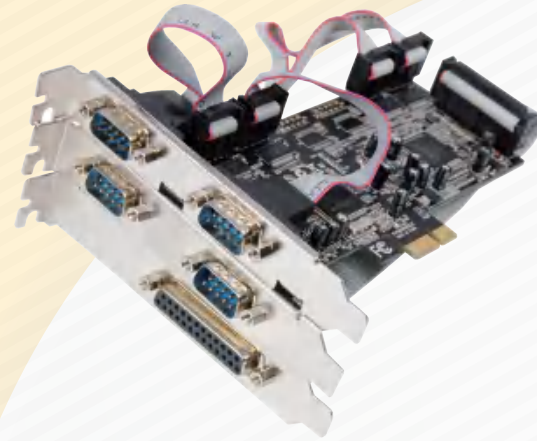
Built-in 16C450/550 compatible UART

On chip 256 byte FIFOs in transmit and receive path of each serial port

PCI Express Cards

> I-461 PCI-E 4S1P IO Card

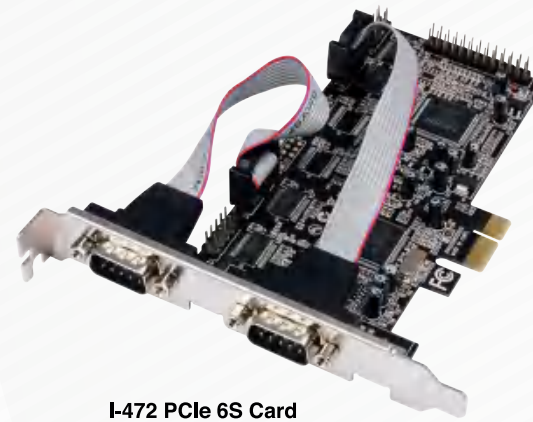
Solution: MCS9900+MCS9922
4 x UART serial port
1 x DB25 female parallel connector
Built-in 16C450/550 compatible UART
Serial data transfer rate up to 230400bps



I-461 PCI-E 4S1P IO Card

> I-472 PCIe 6S Card

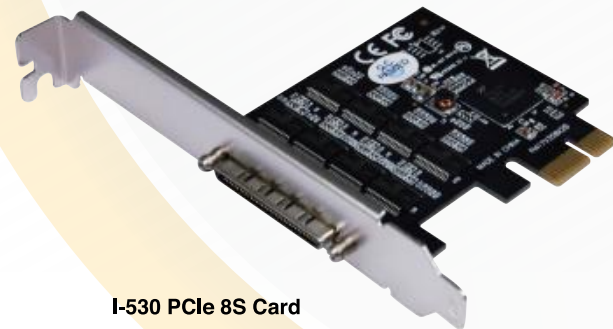
Solution: Moschip MCS9900 + MCS9922
Compliant with PCIe Specification 1.1
Built-in 16C450/550 compatible UART
256-byte FIFOs in transmit and receive per port
Data transfer rate up to 230400bps
6 x serial ports



I-472 PCIe 6S 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



I-530 PCIe 8S Card