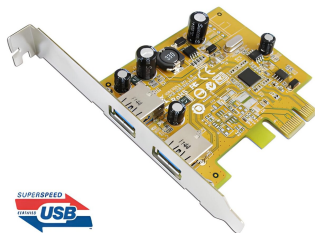


AC-SiUSB2302+L

Sunix USB2302 USB 3.0 Dual ports PCI Express Host Controller

Product Overview

Sunix USB2302 - Standard + Low-profile DUAL bracket, PCI-Express (1x) - 2 x external USB 3.0 (5.0Gbps), USB 2.0 backward compatible, NEC UPD720200 - no 4pin molex power required, supports power management and remote wakeup from USB device, with USBIF certification - includes extra low-profile only for 2U rackmount or slim desktop (antec minuet, nsk1480)



Specifications

About this product

The Sunix USB2302 PCI Express USB 3.0 expansion card adds 2 x external USB 3.0 ports to a desktop PC through a PCIe x1 slot, delivering transfer speeds of up to 5.0Gbps while maintaining backward compatibility with USB 2.0 devices. Featuring the NEC UPD720200 controller, USBIF certification, power management support, and remote wakeup functionality, this card is an ideal upgrade for systems that need additional high-speed USB connectivity. Buy now from our website for quick delivery in South Africa.

Overview Summary

Sunix USB2302 PCIe USB 3.0 Expansion Card

The Sunix USB2302 is a PCI Express x1 expansion card designed to provide two external USB 3.0 ports for desktop computers. Powered by the NEC UPD720200 USB 3.0 controller, it supports data transfer rates of up to 5.0Gbps, making it suitable for external storage devices, peripherals, and other high-bandwidth USB equipment.

This expansion card does not require a 4-pin Molex power connector, simplifying installation while maintaining reliable performance. It supports USB 2.0 backward compatibility, advanced power management features, and remote wakeup from connected USB devices. The package includes both a standard bracket and a low-profile bracket, making it suitable for full-size desktop systems, slim desktops, and selected rackmount installations.

Performance tier:Mainstream USB 3.0 Expansion

Uses:USB port expansion, external storage connectivity, peripheral connectivity, workstation upgrades, slim desktop upgrades, rackmount systems

Overview

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Product Specification Sheet

Super-Speed USB 3.0 interface is the next revolution in I/O interconnect standards that will deliver the bandwidth and features required by PCs, consumer electronics and communications devices. With 10 times faster throughput than USB 2.0 standard and backward compatible with current USB device features, USB 3.0 interface will be the trendy of IT technology.

SUNIX USB2302 is a dual-port Super-Speed USB 3.0 PCI Express card, and compliant with the PCI Express Generation 2 specification for host PC system. It works up to 5 Gbps for data transfer when connecting to USB 3.0 compliant peripherals, while maintaining compatibility with existing USB peripheral devices. With USB Hot-Swapping and Plug-n-Play function, you don't have to worry about running out of slots on your motherboard or complicated hardware installation process.

SUNIX USB2302 card supports USB 3.0 High-Speed device and backward compatible with USB 2.0 High-Speed and USB 1.1 Full-Speed device. With SUNIX unique technology, it can output efficient power to USB device without additional power adapter connection. SUNIX USB2302 is an ideal choice for external storage devices, MP3 players, external writer, digital cameras, webcam, networking and video devices, and all other USB devices.

Description

The Sunix USB2302 is a practical solution for desktop computers that require additional high-speed USB connectivity. Designed for installation into a PCI Express x1 slot, the card adds two external USB 3.0 ports, enabling support for modern peripherals and storage devices without replacing the existing motherboard.

Built around the NEC UPD720200 USB 3.0 controller, the card delivers reliable USB 3.0 performance with transfer rates of up to 5.0Gbps. This makes it suitable for connecting external hard drives, flash drives, docking stations, printers, scanners, and other USB peripherals that benefit from increased bandwidth.

The USB2302 supports backward compatibility with USB 2.0 devices, allowing older equipment to operate alongside newer USB 3.0 hardware. The design eliminates the need for an additional 4-pin Molex power connection, helping simplify installation and cable management inside the chassis.

Advanced power management support and remote wakeup functionality improve usability in professional and business environments. Included standard and low-profile brackets provide flexibility for deployment in traditional desktop systems, compact PCs, slim desktops, and compatible rackmount systems.

Features

The Sunix USB2302 delivers a simple and effective method of expanding USB connectivity while maintaining compatibility with a wide range of systems and devices.

- PCI Express x1 interface for broad system compatibility.
- 2 x external USB 3.0 ports.
- Supports USB 3.0 transfer rates up to 5.0Gbps.
- Backward compatible with USB 2.0 devices.
- Powered by the NEC UPD720200 USB 3.0 controller.
- No 4-pin Molex power connector required.
- Supports USB power management features.
- Remote wakeup support from connected USB devices.
- USBIF certified design.
- Includes standard bracket and low-profile bracket.
- Suitable for desktop, slim desktop and selected rackmount systems.

What's in the Box

- 1 x Sunix USB2302 PCI Express USB 3.0 expansion card
- 1 x Standard bracket

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Product Specification Sheet

- 1 x Low-profile bracket
- Documentation

Specifications

Interface	Single-Lane (x1) PCI Express Gen2
Mode	Universal Serial Bus 3.0
Controller	Renesas (NEC) μ PD720202
PCB Version	Ver1.0
USBIF TID	TID350000174
Port	2 external USB 3.0 ports
Speed	Data Transfer rate of 1.5/12/480/5000 Mbps.
	Low Speed (1.5Mbps), Full Speed(12Mbps), High Speed(480Mbps), SuperSpeed(5Gbps)
Power Input	PCIe Bus Power
Power Output	+5V / 900mA (each port)
PCB Dimension	78 (W) x 68 (L) mm
Bracket	Standard 121mm
Certified	CE, FCC, VCCI, BSMI
O.S. Support	Windows 8.x / 10 (X86/X64) / 11
	Linux 2.6.31 or later (Linux OS already implemented USB 3.0 driver)
Environment	Operation temp. 0 degreesC ~ 57 degreesC
	Operation humidity: 5 ~ 95% RH
	Storage temp.-40 degreesC ~ 85 degreesC

FAQ

What does the Sunix USB2302 do?

The Sunix USB2302 adds two external USB 3.0 ports to a desktop computer through an available PCI Express x1 expansion slot.

What is the maximum USB speed supported?

The card supports USB 3.0 transfer speeds of up to 5.0Gbps when used with compatible devices.

Is the Sunix USB2302 compatible with USB 2.0 devices?

Yes, the card is backward compatible with USB 2.0 peripherals and accessories.

Does the card require a Molex power connection?

No, the Sunix USB2302 does not require a 4-pin Molex power connector for operation.

Can the card be installed in a slim desktop chassis?

Yes, a low-profile bracket is included for compatible slim desktop and rackmount installations.

What controller does the card use?

The expansion card uses the NEC UPD720200 USB 3.0 controller.

Does the card support power management features?

Yes, it supports power management and remote wakeup functionality from connected USB devices.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/AC-SiUSB2302-L-Sunix-USB2302-USB-3-0-Dual-ports-PCI-Buy-p-86434.php>

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