



USB2400L

2-port USB2.0

PCI Express Add-On Card

Low Profile



Introduction

SUNIX USB2400L is a dual-port High-Speed USB2.0 PCI Express card and the interface has a potential transfer rates of 2.5Gbps using a single-lane (or x1) PCI Express link. With native PCI Express EHCI/OHCI USB2.0 host controller, this board is driver free under Windows, MAC and Linux operation system and best compatible with existing USB peripheral to your desktop computer. Each USB port supplies maximum +5VDC / 1000mA power output to USB device with over current protection.

The USB2.0 High-Speed implementation of the Universal Serial Bus standard supports transfer speeds up to 480 Mbps. With USB2.0 High-Speed ports, its make you connect kinds of USB devices and peripheral to your desktop computer instantly and conveniently, such as hubs, data storage devices, PC video cameras, digital cameras, CD-R/RWs, DVD-ROMs, scanners, printers, memory card readers, and more.

Features

- Compliance with PCI Express Base Specification Revision 1.1.
- Compliant with the Universal Serial Bus (USB) Specification Revision 2.0
- High performance native USB2.0 PCI Express EHCI/OHCI host controller on board.
- Expands two external USB2.0 High-Speed Type-A ports on the system.
- Each USB port supports +5VDC power output up to maximum 1000mA.
- Each USB port built-in over current protection fuse for safety USB connection.
- Plug-n-Play, I/O address and IRQ assigned by operating system.
- Support USB device Hot-Swapping and Plug-n-Play function.
- Low profile bracket design idea for slim or portable PC.
- Drivers free under Linux, Apple MAC, Microsoft operation systems.
- Certified by Electromagnetic Compatibility (CE, FCC, VCCI, C-Tick, BSMI) and RoHS approval.

Specifications

Hardware

BUS	PCI Express Spec 1.1, Single-Lane (x1)
Controller	PCI Express USB2.0 Host controller,
USB Standard	Enhanced Host Controller Interface (EHCI) and Open Host Controller Interface (OHCI)
IRQ & IO	Assigned by System

USB Communication

Interface	Universal Serial Bus 2.0 / 1.1
Speed	High-Speed (HS), Full-Speed(FS) and Low-Speed(LS) Data Transfer rate of 1.5, 12, and 480Mbps
No. of Port	2-port
PCB Receptacle	USB2.0 Type-A Female
Protection	±15KV IEC61000-4-2 Air Gap Discharge ±8KV IEC61000-4-2 Contact Discharge

Power

Source	PCI Express Bus Power
Output Capacity	+5VDC / Maximum 1.0A / each port Note: Total power output capacity will be limited by PC system power supply.
Over Current Protection	Standard USB2.0 Port: +5VDC / 1.1A@5V PTC fuse / each port
Power Consumption	1.1W @ 3.3V (board only without power output to device)

Driver Support

Microsoft Client	XP / Vista / 7 / 8.x / 10 (X86/X64)
Microsoft Server	2000 / 2003 / 2008 / 2008R2 / 2012 (X86/X64)
Microsoft Embedded	XP Embedded / POS Ready 2009 / Embedded System
Linux	Linux 2.4.x / 2.6.x / 3.x
Apple MAC	MAC OS X 10.4 or later

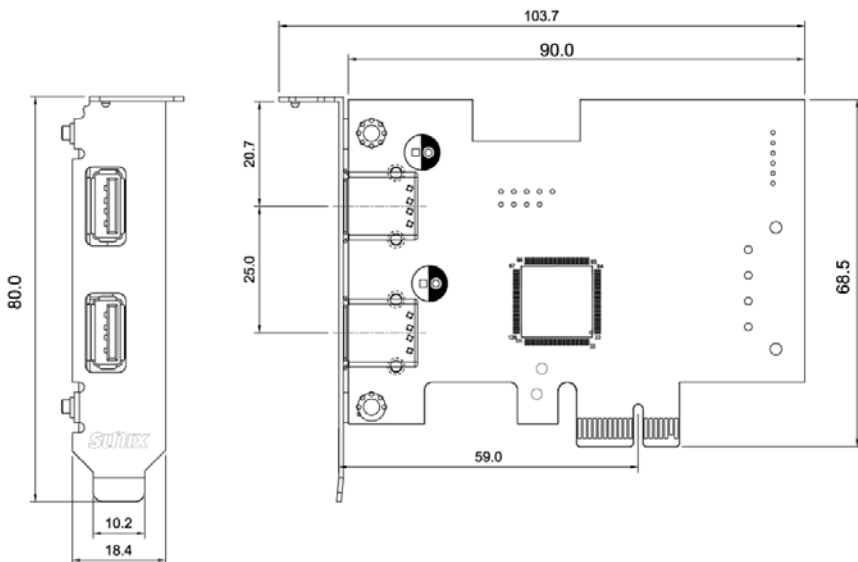
Environment

Operation Temperature	0 to 60°C (32 to 140°F)
Operation Humidity	5 to 95% RH
Storage Temperature	-20 to 70°C (-4 to 158°F)

Standards and Certifications

EMC	CE, FCC, C-Tick, VCCI, BSMI, Class B Standard
Green	RoHS, CRoHS, WEEE

Physical Characteristics

PCB Dimension	90 x 68.5 mm
Bracket	Low Profile 80 mm
Bracket Space	1
Mechanical Drawings	<p>Unit = mm</p>  <p>The side view shows a bracket height of 80.0 mm, a mounting hole offset of 10.2 mm, and a total width of 18.4 mm. The top view shows a total length of 103.7 mm, a mounting hole offset of 20.7 mm, a central cutout width of 90.0 mm, a mounting hole offset of 25.0 mm, a central cutout depth of 59.0 mm, and a total width of 68.5 mm.</p>

Package

- USB2400L –2-port USB PCI Express Low Profile Add-On Card
- User Manual

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