ComX Computers
Product Specification Sheet

AC-SiECS2400

Sunix ECS2400 2-port RS-232 High Speed Express Card

Product Overview

Sunix ECS2400: 2x RS232 high-speed serial port (9pin) Express card 34 (for 34 or 54 slot), sunix Matrix UL7512EQ chipset, 32byte hardware FiFo, 921.6 Kbps, 15KV ESD protection + 15KV IEC1000-4-2 Air Gap Discharge + 8KV IEC1000-4-2 Contact Discharge - WHQL certified



Specifications

About this product

The Sunix ECS2400 is a high-performance 2x RS232 high-speed serial port ExpressCard 34, engineered for industrial and professional applications. Featuring the Sunix Matrix UL7512EQ chipset, 32-byte hardware FiFo, and a blazing 921.6 Kbps data transfer rate, it ensures reliable, low-latency communication with advanced 15KV ESD protection and WHQL certification for seamless Windows compatibility.

Overview Summary

Product: Sunix ECS2400 2x RS232 ExpressCard 34

The Sunix ECS2400 ExpressCard 34 offers two high-speed RS232 serial ports, delivering fast and reliable serial communication for laptops with 34mm or 54mm ExpressCard slots. Built with the Sunix Matrix UL7512EQ chipset, the card supports 32-byte hardware FiFo and a maximum transmission rate of 921.6 Kbps, ensuring efficient data handling in demanding industrial and commercial applications.

Engineered with robust protection, this card includes 15KV ESD safeguards, IEC1000-4-2 air gap discharge protection, and contact discharge defense, maintaining signal integrity and device safety. WHQL certification guarantees stable Windows integration, making it a trusted choice for serial communication tasks in automation, data acquisition, and industrial control systems.

Performance tier: Professional / Industrial

Uses: Serial communication, industrial automation, data acquisition, POS systems, laboratory instruments

Overview

SUNIX ECS2400 was created to meet the need of the ExpressCard market where notebooks, desktops, and ?docking stations could add two additional RS-232 serial ports via a single slim-type 34/54mm ExpressCard slot. ECS2400 equips SUNIX high

performance and realizable chipset quad UARTs, UL7512EQ and as well built with many of SUNIX advanced features and technologies, making it the best solution for commercial and industrial automation applications. Users will benefit from ExpressCard plug-n-play ease of use, which eliminates the need to open the chassis to add new features. With SUNIX ECS2400 RS-232 ExpressCard, you can connect serial peripherals such as GPS receivers, serial printers/plotters, barcode scanners, digital cameras, PDAs, Cell Phones and fax/modems.

Description

The Sunix ECS2400 is designed to extend laptop connectivity with high-speed RS232 serial ports. Perfect for environments requiring robust and reliable serial communication, it supports both 34mm and 54mm ExpressCard slots. The UL7512EQ chipset and 32-byte hardware FiFo ensure stable and fast data transfers, while advanced ESD protection prevents damage from electrical surges. WHQL certification guarantees compatibility with Windows operating systems, making setup straightforward and hassle-free. Ideal for industrial automation, point-of-sale systems, laboratory instruments, and other serial-based applications.

Features

Key features of the Sunix ECS2400 include:

- 2x RS232 high-speed serial ports (9-pin) for reliable communication
- Supports ExpressCard 34 and 54mm slots
- Sunix Matrix UL7512EQ chipset with 32-byte hardware FiFo
- Data transfer speeds up to 921.6 Kbps for high-performance tasks
- 15KV ESD, 15KV IEC1000-4-2 Air Gap Discharge, and 8KV Contact Discharge protection
- WHQL certified for seamless Windows integration
- Compact and durable design suitable for industrial environments

What's in the Box

- Sunix ECS2400 ExpressCard 34
- User manual and installation guide
- Driver CD / software package
- Warranty card

Specifications

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Specifications	
Product Code	AC-SiECS2400
Hardware	
Product Description	2 port RS-232 High Speed ExpressCard
Controller	SUNIX Matrix UL7512EQ (16C650 UART Compatible)
Bus Interface	PCI Express one lane (x1)
ExpressCard Type	34mm
PCB connector	DB44 Female
Serial Communication	

Interface	RS-232
No. of Port	4-port
FIFO	32 byte (Hardware)
Signal	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI
Baud rate	50 bps to 921.6 Kbps
Data bit	5, 6, 7, 8
Stop bit	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	RTS/CTS (Hardware), XON/XOFF(Software)
Protection	+/-15KV Human Body Model (HBM) +/-15KV IEC1000-4-2 Air Gap Discharge +/-8KV IEC1000-4-2 Contact Discharge
Regulatory Approvals	
Hardware	CE, FCC, VCCI, BSMI
Software	Microsoft WHQL Windows
	Windows Client: XP/Vista/7/8/8.1 (X86/X64)
	Windows Server: 2003 / 2008 / 2012 / 2016 (X64)
Environment	
Operating Temperature	0 to 60degreesC (32 to 140degreesF)
Operating Humidity	5% to 95% RH
Storage Temperature	-20 to 85degreesC (-4 to 185degreesF)
Connection Cable	
Cable	DB44 male to 2-port DB9/ DB25 Male 40cm cable
Dimension(Unit = mm)	
Iron Case	80(W) x 34(D) x 5(H)
Plastic Case	39(W) x 64(D) x 20(H)

FAQ

Q: What devices are compatible with the Sunix ECS2400?

A: The ECS2400 is compatible with laptops and systems that support ExpressCard 34 or 54 slots. It works seamlessly with Windows operating systems thanks to WHQL certification.

Q: What is the maximum data transfer speed?

A: The card supports high-speed communication up to 921.6 Kbps, ensuring reliable performance for industrial and professional applications.

Q: Does the card provide protection against electrical surges?

A: Yes, it includes 15KV ESD protection, IEC1000-4-2 air gap discharge, and 8KV contact discharge protection to safeguard connected devices.

Q: Can it be used for industrial automation?

A: Absolutely. Its robust design and high-speed serial ports make it ideal for industrial automation, data acquisition, POS

systems, and laboratory instruments.

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-SiECS2400-Sunix-ECS2400-2-port-RS-232-High-Speed-Express-Card-p-332930.php

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