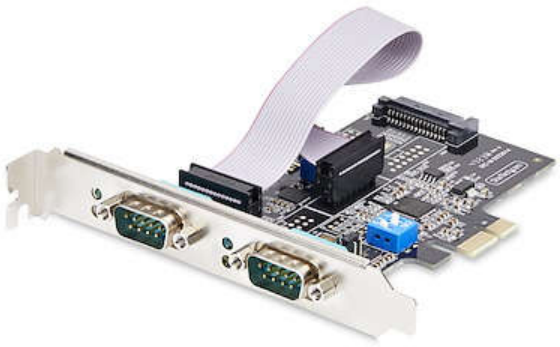
2-Port Serial PCIe Card, Dual-Port PCI Express to RS232/RS422/RS485 (DB9) Serial Card, Low-Profile Brackets Incl., 16C1050 UART, Windows/Linux, TAA Compliant - Level-4 ESD Protection

Product ID: 2S232422485-PC-CARD



Add serial communication support to a desktop computer or Small Form Factor (SFF) system, using this 2-Port Serial PCI Express Card. The two DB9 ports can be independently configured to support RS-232, RS-422, and 2/4-wire RS-485 standards, for communication with compliant serial peripheral devices.

This PCIe Serial Card is equipped with on-board DIP switches, enabling each DB9 serial port to operate in RS-232, RS-422, and/or RS-485 mode(s). The card features LED indicators per port, providing real-time monitoring of port activity.

The PCI Express Serial Adapter Card features three power modes that are configurable via on-board jumpers, including 12V (1.5A per port), 5V (1.5A per port), or no power (RI), over pin 9.

This serial card enables the continued use of legacy serial devices, preventing down time and avoiding costly upgrades. The 2-Port PCIe Serial Card is an ideal system upgrade for a wide range of applications (e.g., point-of-sale terminals, PLCs, factory control and automation, scientific sensors, medical equipment, scanners, and oscilloscopes).

Certifications, Reports and Compatibility



Applications

• Manufacturing (CNC machinery, process control equipment, bar code scanners, and serial printers)

• POS (credit/debit card readers, receipt printers, bar code scanners, cash registers, and scales)

• Security (UPS control, access key panels, video cameras, card readers, and modems)

• Healthcare (patient monitoring equipment, nurse stations, and modems)

Features

• 2-PORT PCIE SERIAL CARD: On-board DIP switches allow each DB9 serial port to operate in its own independent mode, enabling the connection of RS-232, RS-422, and RS-485 devices; LED indicators to monitor data transmit/receive status

• CONFIGURABLE POWER: Dual-Port PCI Express Serial Adapter Card features configurable power of 12V (1.5A per port), 5V (1.5A per port), or no power (RI) over pin 9 via auxiliary SATA power; Per-Port power modes are individually configurable via jumpers

• APPLICATIONS: Ideal for desktops and servers, with a wide range of uses such as point-of-sale terminals, PLCs, factory control and automation, scientific sensors, medical equipment, scanners, and oscilloscopes; DB9 ports work with screw-locking cables

• STANDARD & LOW PROFILE BRACKETS: TAA-Compliant Serial Card is equipped with a standard profile bracket (pre-installed), and includes two low-profile brackets for compatibility with small form factor desktops/servers

• TECH SPECS: Asix AX99100 Chipset; 16C450 and 16C550 UART compatible; 2x 9-Pin D-Sub Ports; Max Baud 921.6Kbps per port; 256 Byte FIFO; COM Retention; Supports Windows and Linux; Odd/Even/Mark/Space/None Parity Modes; 5/6/7/8/9 Data Bits; PCIe 2.0 x1

Hardware

Warranty	2 Years
Ports	2
Interface	Serial
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	PCI Express Version 2.0 x1
Chipset ID	ASIX - AX99100

Performance

	Serial Protocol	RS-232/422/485
	ESD Protection	+/-8kV (Contact)
		+/-15kV (Air)
		+/-15kV (HBM)
	Max Baud Rate	921.6 Kbps
	Data Bits	5, 6, 7, 8, 9
	FIFO	256 Bytes
	Flow Control	Hardware and Software
	Parity	Even, Odd, None, Space, and Mark
	Stop Bits	1, 1.5, 2
	General Specifications	UART Compatibility: 16C450, 16C550, 16C650, 16C750, and 16C950
Connector(s)		
	Connector Type(s)	1 - PCI Express x1
	External Ports	2 - 9 pin D-Sub (DB-9) Male
Software		
	OS Compatibility	Windows 7, 8, 8.1, 10, 11
		Windows Server 2016, 2019, 2022
		Linux 2.6.13 and newer (LTS Versions Only)
Special Notes / Requirements		
	System and Cable Requirements	Computer with an available PCI Express x1 or greater slot
Indicators		
	LED Indicators	2 - Data Receive LED: Flash Green to show activity
		2 - Data Transmit LED: Flash Yellow to show activity
Environmental		
	Operating Temperature	0C to 70C (32F to 158F)
	Storage Temperature	-20C to 80C (-4F to 176F)

	Humidity	20% ~ 80% RH
Physical Characteristics		
	Color	Black
	Product Length	4.1 in [10.5 cm]
	Product Width	4.0 in [10.2 cm]
	Product Height	0.6 in [1.6 cm]
	Weight of Product	2.0 oz [57.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	6.7 in [17.0 cm]
	Package Width	5.6 in [14.2 cm]
	Package Height	1.2 in [3.0 cm]
	Shipping (Package) Weight	4.9 oz [140.0 g]
What's in the Box		
	Included in Package	1 - 2-Port Serial Card
		2 - Low-Profile Bracket
		1 - Ribbon Cable
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.