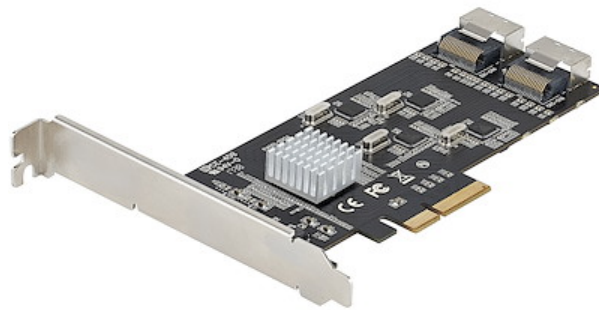8 Port SATA PCIe Card - PCI Express 6Gbps SATA Expansion Adapter Card with 4 Host Controllers - SATA PCIe Controller Card - PCI-e x4 Gen 2 to SATA III - SATA HDD/SSD

Product ID: 8P6G-PCIE-SATA-CARD

This 8-port SATA III (6Gbps) controller enables you to add eight SATA 6Gbps hard drives (HDDs) or solid State Drives (SSDs) to your computer system or server via an available PCIe x4 card slot. The card supports SATA III and PCI-Express Gen 2 Specifications and four SATA controllers to deliver a high-performance data storage solution.

Featuring four 2-Port SATA 6Gbps controllers and a PCIe-x4 MUX, this SATA card enables the connection of eight high-performance SATA 6Gbps drives with a combined total throughput of up to 20Gbps. The SATA drives are connected via two Mini-SAS ports with two included Mini-SAS to 4x-SATA adapter cables. To ensure a secure connection, each SATA port on the included cables features a locking connector, that will prevent the drive from accidental disconnection when working inside your computer case.

The PCIe MUX that's built into this controller card manages the downstream controllers, which improves motherboard compatibility by ensuring the card will work with motherboards that support bifurcation and motherboards that do not. To further improve motherboard compatibility the card does not have a built-in RAID controller, but fully supports the use of software RAID. Plus, with supports for PCIe Gen 2 and SATA III Specifications this card ensures backward compatibility with previous generations (SATA I/II, PCIe Gen 1) at lower performance.

The controller card is widely supported across all popular operating system platforms including Windows (XP,Vista,7,8,10), macOS (10.6.8 and above) and Linux (2.6.32 and above).

The SATA controller card features plug-and-play installation and can be installed in full-profile and low-profile computer systems with a full-profile bracket preinstalled, and an interchangeable low-profile (half-height) bracket included. The card also supports storage software data management systems such as Storage Spaces (Microsoft) , RAID Assistant (MacOS) and mdraid/mdadm (Linux), for hassle-free setup, partitioning and software RAID array building.

8P6G-PCIE-SATA-CARD is backed by a StarTech.com 2-year warranty and free lifetime 24/5 North American based, multi-lingual support.

Certifications, Reports and Compatibility

Applications

• Add eight SATA 6Gbps drives to your desktop computer or server

• Manage your drives and built RAID arrays with storage management systems such as Storage Spaces (Microsoft) , RAID Assistant (macOS), mdraid/mdadm (Linux)

Features

• HIGH-PERFORMANCE: Add eight SATA III 6Gbps ports to your desktop computer or server using a PCIe x4 Gen 2 slot to connect SATA drives (HDD/SSD); 8-Port SATA PCIe Card features 2x Mini-SAS connections with Mini-SAS to 4x locking SATA adapter cables incl.

• QUAD CONTROLLERS: This PCI Express SATA 6 card features a PCIe MUX and four 2-Port SATA host controllers; This architecture allows for eight total SATA (serial ATA) 6Gbps ports through a single x4 PCIe slot, enabling combined total throughput up to 20Gbps

• COMPATIBILITY: Supports PCIe Gen 2 & SATA III Specs, and previous generations at lower performance (SATA I/II, PCIe Gen 1); Windows (XP+), macOS (10.6.8+), Linux (2.6.32+); Improved motherboard compatibility with no bifurcation required & no built-in RAID

• EASY INSTALL: Expansion card w/ plug-and-play setup in full or low-profile PCI-e slot (full-profile bracket installed, low-profile incl); Supports storage management systems such as Storage Spaces (Microsoft) , RAID Assistant (macOS), mdraid/mdadm (Linux)

• STARTECH.COM ADVANTAGE: IT professionals choice for over 30 years; This SATA PCIe controller card converter is backed for 2-years by StarTech.com, including free 24/5 North America based multi-lingual tech support

Hardware		
	Warranty	2 Years
	Ports	8
	Interface	SATA
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Industry Standards	Serial ATA 3.0 specification - SATA I/II/III (1.5/3/6Gbps)
		PCI Express Base Specification Revision 2.0
	Chipset ID	Pericom - PI7C9X2G608GP
		ASMedia - ASM1061

Performance

Maximum Data Transfer Rate	6 Gbps
TRIM Support	Yes
4Kn Support	Yes
S.M.A.R.T. Support	Yes
Type and Rate	SATA III (6 Gbps)
Port Multiplier	Yes
Bootable	Yes
Hardware Raid Supported	No
ATAPI Support	Yes

Connector(s)

Connector Type(s)	PCI Express x4
Internal Ports	SFF-8087 (36 Pin, Internal Mini-SAS)

Software

OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019
	macOS 10.6 to 11
	Linux 2.6.32 and up

Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-20C to 60C (-4F to 140F)
Humidity	20~80% RH

Physical Characteristics

Color	Black
Product Length	5.9 in [15.0 cm]
Product Width	2.7 in [68.6 mm]
Product Height	0.6 in [14.6 mm]

	Weight of Product	2.6 oz [75.0 g]

Packaging Information

	Package Length	5.6 in [14.2 cm]
	Package Width	6.7 in [17.0 cm]
	Package Height	1.2 in [30.0 mm]
	Shipping (Package) Weight	2.9 oz [81.0 g]

What's in the Box

	Included in Package	PCIe SATA Card
		20 in. (50 cm) Mini-SAS to 4x SATA Cable
		Full-Profile Bracket (Installed)
		Low-Profile Bracket
		Quick-Start Guide

*Product appearance and specifications are subject to change without notice.