PCIE-3A-10G

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3-Port USB-A PCIe 3.0 Controller Card | USB 3.2 Gen2 10Gbps | ASM3142 Expansion Card

OVERVIEW

The Tittron PCIE-3A-10G PCI Express expansion card adds three high-speed USB Type-A ports to desktop PCs and workstations. Each port conforms to USB 3.2 Gen 2 and delivers up to 10Gbps bandwidth, supporting large file transfers, external SSDs and high-bandwidth video capture devices. It offers a cost-effective system upgrade solution for users requiring high-speed USB connectivity without replacing the entire host computer.

Ideal for video editors, audio engineers, 3D designers, IT administrators and office users managing multiple USB peripherals, the PCIE-3A-10G maintains stable performance under simultaneous multi-device operation. Compliant with PCI Express Base Specification Rev. 3.0, the card works in PCIe x4, x8 and x16 slots. It includes both 120mm full-height and 80mm low-profile brackets to fit a wide range of desktop chassis configurations.

Important Note: SATA auxiliary power is recommended to guarantee stable operation for high-power USB peripherals.



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FEATURES

- Adds 3x USB-A 10Gbps ports
- USB 3.2 Gen 2x1 with ASM3142, PCIe 3.0 x4
- Supports simultaneous connection of multiple USB devices
- Compatible with desktop and small-form-factor PCs
- SATA-assisted power for stable device operation
- Supports Windows and Linux operating systems
- Comes with full-height and low-profile brackets
- Works in PCIe x4, x8, x16 expansion slots

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SPECIFICATIONS

CONNECTOR

Host Interface	PCI Express x4
Function Ports	3 × USB 3.2 Gen 2 Type-A (10Gbps)
Power Port	1 × 15-pin SATA Power (Internal)

HARDWARE

Bus Type	PCI Express
Chipset	ASM3142
Card Bracket	Standard 120mm full-height + 80mm low-profile bracket included
Slot Compatibility	PCIe x4, x8, and x16 Slots

PERFORMANCE

USB Standard & Rate	USB 3.2 Gen 2 (10Gbps)

INDUSTRY STANDARDS

PCIe Standard	PCI Express Base Specification Rev. 3.0
USB Standard	USB 3.2 Gen 2 Specifications

OS COMPATIBILITY

Supported OS	Windows, Linux

IMPORTANT NOTES

- **SATA Power:** Connect the SATA power cable when using high-power USB peripherals to avoid instability.
- **Slot Backward Compatibility:** PCIe 3.0 card can be installed into PCIe 2.0 slots but bandwidth will be limited by PCIe 2.0 specification.
- **Bracket Selection:** Swap to low-profile bracket for small form factor / slim chassis installation.

TYPICAL APPLICATIONS

- External SSD high-speed file transfer
- High-bandwidth USB video capture devices
- Multi USB peripheral workstation upgrade
- Video editing, audio production and 3D design workstations
- Office PC multi-device USB expansion
- Small form factor desktop system expansion