PCIE-3A-10G

flykantech.com TrioCreator Pro Series | **3 × USB-A** | **10Gbps Shared Bandwidth / ASM3142**

EN

Rev 2.0 | 2026-11-20



10 Gbps	3 Ports	PCIe 3.0 x4	ASM3142
SHARED BANDWIDTH	USB TYPE-A	HOST INTERFACE	CHIPSET

01 OVERVIEW

The flykantech.com TrioCreator Pro PCIE-3A-10G PCI Express expansion card adds three high-speed USB Type-A ports to desktop PCs and workstations. All three ports conform to USB 3.2 Gen 2 and share a total bandwidth of up to 10Gbps, 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.



flykantech.com PCIE-3A-10G
3-Port USB-A PCIe 3.0 Controller Card

Shared Bandwidth: The three USB-A ports share a single 10Gbps link; aggregate throughput across all ports cannot exceed 10Gbps.
Important Note: SATA auxiliary power is recommended to guarantee stable operation for high-power USB peripherals.

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01 SPECIFICATIONS

CONNECTOR

Host Interface	PCI Express x4
Function Ports	3 × USB 3.2 Gen 2 Type-A (10Gbps shared bandwidth)
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 shared across 3 ports)

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

02 KEY FEATURES

- Adds 3× USB-A ports with 10Gbps shared bandwidth
- USB 3.2 Gen 2×1 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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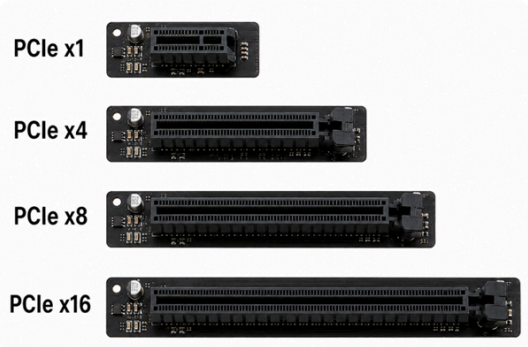
01 IMPORTANT NOTES

- **Shared Bandwidth:** The three USB-A ports share one 10Gbps link; total throughput across all ports cannot exceed 10Gbps.
- **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 the PCIe 2.0 specification.
- **Bracket Selection:** Swap to the low-profile bracket for small form factor / slim chassis installation.
- **System Upgrade Path:** Adds high-speed USB 3.2 Gen 2 connectivity without replacing the host computer.

02 PCIE SLOT COMPATIBILITY

The TrioCreator Pro PCIE-3A-10G uses a PCIe 3.0 x4 edge connector. It fits and operates in **x4, x8 and x16** slots. A **x1** slot is physically too short for the card and is **not supported**.

Supported: PCIe x4 / x8 / x16 slots. **Not supported:** PCIe x1. When installed in an x8 or x16 slot, the card still runs at x4 speed, which is sufficient for the shared 10Gbps USB bandwidth.



PCIe slot sizes
x1 / x4 / x8 / x16 comparison

03 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