ComX Computers
Product Specification Sheet

PV810UPNGM

Patriot Grey TXD PCIe M.2 2280 USB 3.2 Gen2 SSD Enclosure

Product Overview

Patriot Grey TXD PCIe M.2 2280 USB 3.2 Gen2 SSD Enclosure; USB 3.2 Gen2 10Gbps; supports 2230/2242/2260/2280; up to 1000MBs; aluminum shell; tool free install; USB C to C and C to A cables









Specifications

About this product

The**Patriot TXD PCIe M.2 2280 USB 3.2 Gen2 SSD Enclosure**offers high speed external storage for M.2 NVMe SSDs, with USB 3.2 Gen2 transfer rates up to 10Gbps and tool-free installation in a durable aluminum housing for efficient cooling and wide device compatibility.

Overview Summary

The**Patriot TXD PCIe M.2 2280 USB 3.2 Gen2 SSD Enclosure**is a robust external enclosure designed to convert internal M.2 NVMe SSDs into fast portable storage. Built with a USB 3.2 Gen2 controller and USB-C interface, the enclosure supports PCIe Gen3 x4 NVMe drives and offers sequential read and write speeds up to 1000MB/s for rapid file transfers. It includes a dual-connector USB-C to C and USB-C to A cable, making it compatible with a wide range of desktops, laptops, and USB enabled devices.

Constructed from full aluminum alloy with a built in heatsink and thermal pad, this enclosure helps maintain cooler operation

under load and supports hot swap and reversible swap installation without tools. Designed for flexibility and durability, it works with Windows, Mac OS, Linux, and Android platforms and supports M.2 SSDs from 120GB up to 8TB in sizes 2230, 2242, 2260, or 2280 slots.

With its compact form factor and practical design, the Patriot TXD enclosure lets users expand their storage or repurpose spare NVMe SSDs for backups, media libraries, and mobile workflows while maintaining reliable performance and broad device support.

Performance tier: Premium portable storage enclosure

Uses:external storage expansion, data backup, file transfer, media library access

Description

The**Patriot TXD PCIe M.2 2280 USB 3.2 Gen2 SSD Enclosure**combines high performance with practical design for portable storage solutions. Its solid aluminum alloy construction not only provides strength and a premium feel but also acts as a passive heatsink to improve thermal performance during sustained transfers. The internal USB 3.2 Gen2 controller and USB-C interface allow for fast 10Gbps connectivity while maintaining broad backward compatibility with older USB standards. Supporting M.2 NVMe SSDs in form factors from 2230 to 2280, this enclosure adapts to a wide range of drives and capacities up to 8TB, making it ideal for repurposing existing SSDs or adding high speed external storage to your setup.

Installation is tool-free, with a push and pull mechanism to secure the SSD in place and dual USB connector cables included for use with USB-C or USB-A host devices. Compatible across major operating systems, the Patriot TXD enclosure is suitable for professionals, creators, and general users who need fast, flexible storage on the go.

Features

Key features of the enclosure enhance its performance, compatibility, and usability:

- USB 3.2 Gen2 (10Gbps) interface for high speed data transfers up to 1000MB/s.
- Supports PCIe Gen3 x4 NVMe M.2 SSDs in sizes 2230, 2242, 2260, and 2280.
- Durable full aluminum shell with built in heatsink and thermal pad to aid cooling.
- Tool-free installation with hot swap and reversible swap capability.
- Includes USB-C to C and USB-C to A dual connector cable for broad device support.
- Compatible with Windows, Mac OS, Linux, and Android platforms.

Unleash the Power of Your M.2 SSD Anywhere
The Patriot TXD PCIe M.2 2280 SSD Enclosure is engineered for professionals, creators, and enthusiasts in South Africa who demand speed, reliability, and portability. This device transforms your high-performance M.2 NVMe SSD into a versatile external drive, allowing you to carry your essential data, large project files, or even operating systems with unparalleled ease. If your workflow involves moving large datasets, editing high-resolution media, or simply requiring faster access to your digital assets than traditional external hard drives offer, this NVMe enclosure is your solution. It bridges the gap between desktop performance and mobile convenience, ensuring your data is always accessible at maximum velocity. As a leading M.2 to USB enclosure, the TXD offers exceptional performance.

Built for Extreme Performance and Durability
At its core, the TXD enclosure leverages a powerful USB 3.2 Gen2 controller, delivering transfer speeds of up to 10Gbps. This means sequential read and write speeds can reach an impressive 1000MB/s, significantly reducing transfer times for even the largest files. Whether you are backing up critical work, transferring video footage, or loading games, the speed is a tangible benefit that enhances productivity. The enclosure is constructed from a 100% aluminium alloy shell, providing not only a sleek, premium aesthetic but also crucial durability and effective passive heat dissipation. This ensures your NVMe SSD operates within optimal temperature ranges during sustained high-speed operations, protecting its longevity and performance. This robust M.2 to USB enclosure is built to last.

Seamless Integration and Broad Compatibility
Designed to accommodate M.2 2230, 2242, 2260, and the popular 2280 form factors, the Patriot TXD is highly versatile. Installation is straightforward, allowing you to quickly upgrade or repurpose your existing M.2 NVMe SSDs. Its broad compatibility extends across major operating systems, including Windows, Mac OS, Linux, and Android platforms, making it an ideal choice for users with diverse technological ecosystems. Connect this essential enclosure to your laptop, desktop, tablet, or even compatible smartphone for instant access to expanded storage, bridging the gap between devices effortlessly.

Expand Your Storage Without Compromise
With support for M.2 NVMe SSDs ranging from 120GB up to an massive 8TB, the TXD enclosure grows with your storage needs. This capability ensures that you are not limited by the enclosure itself, but rather by the largest M.2 NVMe SSDs available on the market. It is the perfect tool for expanding the storage of gaming rigs, content creation workstations, or for creating a portable, high-speed backup solution. The compact dimensions (10.2 x 3.3 x 1.3 cm) and lightweight design (45.4g) make it an unobtrusive addition to any setup and exceptionally portable for on-the-go use. Choose this premier M.2 to USB enclosure for ultimate flexibility.

Reliable Speed for the Demanding User
The Patriot TXD enclosure offers a compelling value proposition: high-speed external storage that rivals internal drive performance. It is designed for those who understand that time is a critical resource and that slow data transfers impede progress. By choosing the TXD, you are investing in a robust, efficient, and universally compatible solution that ensures your data is accessible quickly and reliably, wherever you are in South Africa or beyond. This NVMe enclosure is a testament to Patriot's commitment to quality and performance.

What's in the Box

- Patriot TXD PCIe M.2 2280 USB 3.2 Gen2 SSD Enclosure unit
- USB-C to USB-C cable
- USB-C to USB-A cable
- User guide and warranty card

Specifications

- Model: PV810UPNGM
- Interface: USB 3.2 Gen2 (10Gbps) USB-C
- Supported SSD form factors: M.2 2230, 2242, 2260, 2280
- Supported protocol: PCIe Gen3 x4 NVMe 1.3
- Sequential read speed: Up to 1000MB/s
- Sequential write speed: Up to 1000MB/s
- Material: Full aluminum alloy shell with heatsink and thermal pad
- Compatibility: Windows, Mac OS, Linux, Android
- Cable connectors included: USB-C to USB-C, USB-C to USB-A

FAQ

What type of SSD can I use with this enclosure?

This enclosure supports PCIe NVMe M.2 SSDs in sizes 2230, 2242, 2260, and 2280. SATA M.2 SSDs are not compatible due to protocol differences.

Will this work with my laptop or phone?

Yes, as long as your device supports USB storage via USB-C or USB-A with the included adapter cable, this enclosure will function with Windows, Mac OS, Linux, and many Android devices.

Do I need tools to install my SSD?

No tools are required. The enclosure is designed for tool-free installation with a push and pull mechanism for easy drive insertion.

Can I swap SSDs frequently?

Yes, the reversible swap and hot swap support makes it practical to change drives often without hassle.

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/PV810UPNGM-Patriot-Grey-TXD-PCIe-M-2-2280-USB-3-2-Gen2-SSD-Enclosure-p-333547.php

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