StorePak NVMe Offload Station

S0S-3N Offload Station: Interface Card, Adapter Unit, and Offload Software

StorePak NVMe Offload Station

The S0S-3 StorePak NVMe offload station allows 3U StorePak removable SSD modules to be connected to a PC or server for offload of data from the StorePak. The offload station includes a PCIe interface board, adapter unit, cables, power supply and offload software.

PCIe Interface Board and Adapter Unit

The PCIe interface board is a standard PCIe plug-in card. The card hosts a PCIe switch and plugs into a PCIe x8 motherboard slot. The controller connects to a StorePak NVMe adapter unit using the included cables. StorePak NVMe removable SSD modules then plug directly into the adapter unit.

StorePak Offload Software (DAS mode)

The most common StorePak usage model is Direct Attached Storage that is directly managed by the user's SBC and O/S. For this usage model the offload PC/Server must use an O/S version that is compatible with that which was originally used to write data to the StorePak NVMe module.

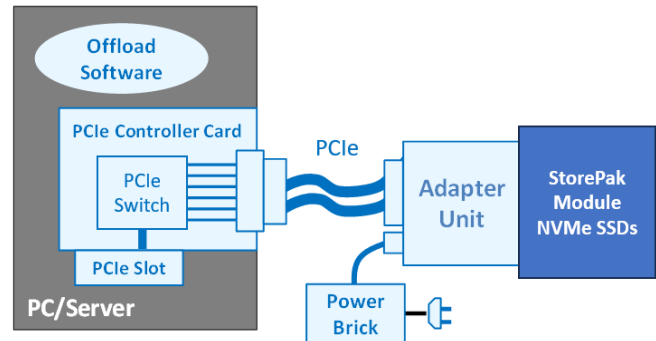### StorePak Offload Software (Recorder mode)

A second StorePak usage model is as part of a high-performance data recorder controlled by StoreEngine recording software. For this usage model the StorePak Recorder Offload Software is also installed on the offload PC/Server. This software is used to view and/or offload files that have been recorded on the StorePak.

Secure Erase

For both usage models a secure erase of the StorePak storage may be initiated to free SSD space and restore optimal performance.

S0S-3N Features:

- **PCIe x8 plug-in card controller**
- **Adapter unit connects directly to StorePak**
- **Offload Station software for recorder data offload**
- **Linux and Windows driver support**
- **Up to 500 MB/s offload rate**

The S0S-3N StorePak Offload Station includes a PCIe interface card, StorePak NVMe adapter unit, cables, and software. (StorePak NVMe and PC/Server are not included)

Technical Specifications

Controller Card	
Physical	Low profile PCIe x8 add-in card (2.7" x 6.6")
Power (PCIe slot)	+12V, +3.3V, 10W
PCIe Interface	6x PCIe x1
Adapter Unit	
Physical	1.2" x 4" x 5"
Connectors	2x SFF-8673, 1x StorePak, 1x power
Cable Length	2M (included)
Power Supply	Power brick style, input voltage 110VAC, 1.0A maximum (included)
Software O/S Support	
Offload Software (DAS mode)	OS that is compatible with OS version used to originally write data
Offload Software (recorder mode)	Linux
Offload Rate	up to 500 MB/s
Operating Temperature	10C to 40C ambient (office/lab environment)
Model Number	S0S-3N