



## Flexible File Sharing and Storage

The Auk Silo 24 Bays NAS Appliance helps you achieve new levels of operational agility with advanced storage technologies and intelligent automation to unlock the power of your data. Accelerate block, file and workloads with a single unified platform that scales both up and out, keeping pace with rapidly changing business requirements.



## Highlights

### Dependable Performance

It gives you the power to build your own professional grade storage system to use in a variety of data intensive applications without any software costs. Simply install it onto hardware or a VM and experience the true storage freedom of open source storage.

### Versatile Network Storage

IT professionals, photographers, designers, audio/video producers and editors, developers, and any user serious about storing and protecting lots of data can take advantage of AUK SILO. Pair it with your favorite backup software to archive large quantities of infrequently used data off of your local devices and even sync and push data to the cloud.

### Nothing Protects Your Data Like ZFS

At the heart of AUK SILO is the self-healing ZFS file system. Previously only available on the highest-end enterprise storage systems, AUK SILO gives you direct, user-friendly access to ZFS. With its built-in RAID, powerful data management tools, and ability to automatically detect and repair silent data corruption (and bit rot), AUK SILO and OpenZFS ensure data integrity from start to finish and also automated ZPool Snapshots.

### Manage Your Data Like a Pro

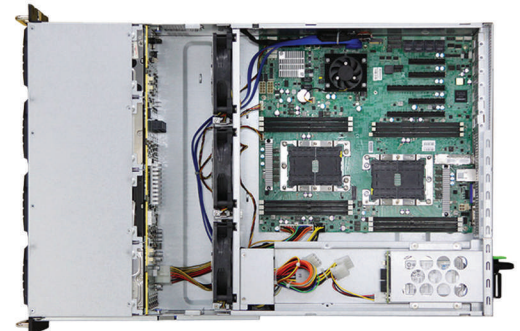
Unlimited snapshots, clones, and replication add additional layers to safeguard your data from human error or external threats like ransomware. Add system memory (DRAM) and flash to supercharge performance. Use built-in data compression to maximize space. Manage it all from user-friendly web interface.

### Notification system

Integrated into several services in the form of email notifications Backend as MTA, these include scheduled tasks, services monitoring, S.M.A.R.T., MDADM systems by using scripts, more information here and real example on how to use it here.

## Hardware Specifications

<b>Processor</b>	4210R
<b>Chipset</b>	C621
<b>Memory</b>	32GB DDR4
<b>Storage</b>	2 X 480GB SSD
<b>Drive Bays</b>	24 X 3.5" Hot swap
<b>LAN</b>	2 x 1Gb/s LAN ports 2 x 10Gb/s LAN ports
<b>Expansion Slot</b>	6 x PCIe X16, 1 x PCIe X4
<b>Connectivity</b>	1 x VGA
<b>Power Supply</b>	1200 Watts Redundant Power Supply



## Software & Features

### File Explorer

Web-based File Management  
Task Monitor  
Browse Files on Local PC

### System Administration

Log Types: Log, Connection Log, File Access Log  
Real-time Online User Monitor  
Real-time System Monitor  
User Quota  
Virtual Drives (ISO Mounting, Maximum 16)  
UPS Support

### Storage Management

Supports Multiple Volumes with Spare Disks  
Volume Type: Single disk, JBOD,  
RAID 0, RAID 1, RAID 5, RAID 6, RAID 10  
Support for Online RAID Level Migration  
Support for Online RAID Capacity Expansion  
ZFS RAID [Z1,Z2,Z3]

### Disk Management

Scheduled Bad Block Scans  
Scheduled S.M.A.R.T Scans  
S.M.A.R.T. Monitoring

### External Devices

Supports USB External Storage Devices  
USB Wi-Fi Dongle Support  
Bluetooth Dongle/Speaker Support  
USB Printer Support  
USB DAC/IR Receiver/Keyboard/Mouse Support

### SSD Caching

SSD-like performance with traditional hard drives  
Supports read-only access and read-write cache mode

### iSCSI

Maximum Targets: 256

### Energy Control

Configurable Disk Hibernation and Sleep Mode Wait Time  
Configurable Time Period for Sleep Mode Activation  
Automatic Sleep

### Network

TCP/IP (IPv4 & IPv6)  
SMB Multichannel  
Wireless Network  
DDNS/EZ-Router  
Supports Wake-on-LAN (WOL)  
Cloud Backup  
Data Access via External Optical Drive  
Supports Wake-on-WAN (WOW)

### Network Protocols

CIFS/SMB, SMB 2.0/3.0, AFP, NFS,  
FTP (Unicode Supported), TFTP,  
WebDAV, Rsync, SSH, SFTP, iSCSI/IP-SAN,  
HTTP, HTTPS, Proxy, SNMP, Syslog

### Security

AES 256-Bit Encryption  
Firewall: Prevent Unauthorized Access  
Alert Notifications: E-mail, SMS  
Encrypted Connections: HTTPS, FTP over SSL/TLS,  
SSH, SFTP, Rsync over SSH  
Built-in Hardware Encryption Engine

### Backup Solutions

Rsync (Remote Sync) Backup  
Cloud Backup  
Encrypted Connections: HTTPS, FTP over SSL/TLS

### ACL

Provides both Windows ACL and Linux ACL  
permission configuration methods  
Supports local users and groups  
quickly restore default permissions