Flexible File Sharing and Storage

The Auk Silo 12 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.
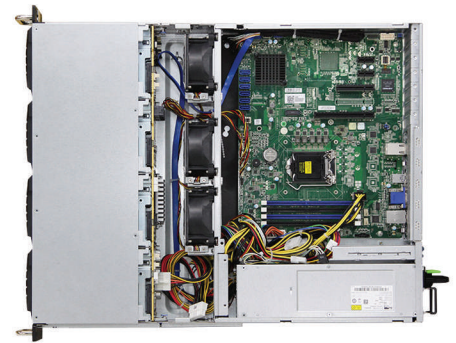
Manage Your Data Like a Pro

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-indata 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

Processor	i3-12100
Chipset	Q670
Memory	16GB DDR4 Expandable Up to 128 GB
Storage	2 X M.2 256 GB
Drive Bays	12 X 3.5" Hot swap
Ethernet	2 x 2.5GbE LAN Ports (Intel® I226V & I226LM)
Expansion Slot	2 x PCIe X16, 3 x PCIe X4
Connectivity	2 x HDMI, 1 x Display Port, 1 x VGA
Power Supply	550 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