StorIQ

STORAGE PLATFORM DATASHEET

Hyperconverged Storage Platform 100TB – 30 PB

- Data safety : **RAID 0, 1, 5, 6, 10, 50, 60**
- Performance : read/write throughput up to **24 GB/s**
- Multiple drive technologies : **SATA3, SAS and NVMe**
- Budget coscious: **Linux, Open Source, reduced costs.**
- Applications : **Video production, VOD, Internet, Archives...**
- Built for : **Cloud, datacenters, R&D, IT...**
- Hardware and software warranty : **3 years**

The ever-increasing volume of data requires cost-effective, high-performance storage tools that guarantee rapid, secure access to your files and their content.

The **StorIQ** platform is a high-availability system designed to store, centralise and secure your data and host all your applications in virtual machines or containers, ideal for building your private 'cloud' in 'hyper-converged' architecture.

Incorporating high-quality components tested and selected by our engineers, **StorIQ** systems support all network organisations and all data-sharing and authentication systems. Extensible, robust, flexible and modular, your **StorIQ** will always remain reliable and tailored to your needs.

The technical expertise acquired by the integrator **INTELLIQUE** makes it possible to aggregate several **StorIQ** servers into a cluster for simultaneous administration, to ensure high availability of provided services and to increase storage and processing capacity by vertical expansion ('*scale up*') or horizontal expansion ('*scale out*').

Certified **INTELLIQUE** engineers provide a 3-year warranty and technical support, as well as exclusive local assistance services: installation, management consultancy, remote support and supervision up to 24 hours a day, 7 days a week.

The **INTELLIQUE** team puts its knowledge base and experience feedback at your disposal for the study and personalised development of your projects. **StorIQ** systems can therefore be adapted to meet specific industrial applications.

With **INTELLIQUE**, you'll always have an answer to your questions!

Open, user-friendly administration
StorIQ NAS Linux OS based upon Debian 12
Login, password access management
Administration through web interface, command line and graphical user interface
SSH remote access
SNMP v2 and email alarms and reports
Automatic operation logging

High level network management
DHCP, DNS, WINS Client
Support IB, Fibre Channel, 10/25/40/50/100 GigE
Network ports aggregation (bonding)

NAS, SAN and IP SAN all-in-one operation
Filesystems choice: XFS, ZFS, ext3...
Authentication and directories: Active Directory, LDAP, Kerberos, NIS, NIS+
Windows file sharing: SMBFS et CIFS, extended ACLs support
Unix and Linux file sharing: NFS v3, v4, extended ACLs support
Web (Apache) and FTP (VSFtpd) file access
IP SAN protocol : iSCSI server (target) and client (initiator)
Quota management by user, group and folder (project)

KVM/Xen virtualisation and LXC/Docker container management
Options : volume snapshots, antivirus, full data encryption

Backup client: compatible with NetVault, TiNa, ArcServe, Networker...
Backup Server and VTL : NetVault, BareOS...

Supported client OSes
MS Windows, Linux, Mac OS, Unix, BSD...

Fully redundant, high availability
Redundant, hot swap power supplies
Redundant, hot plug disk modules
RAID level management 0,1, 5, 6, 10, 50, 60
Rescue linux system with automatic self-backup
Bootable USB rescue disk for easy maintenance

Hardware general information
AMD Epyc® (Intel Xeon® optional) multicore CPU
High performance disk drives
HDD : 4 to 24 TB disks (7200 t/min)
SSD : 500 GB to 8 TB (MLC, TLC, QLC)
NVMe : 500 GB to 30 TB (PCIe gen4 and gen5)

Integrated RAID controllers
Optimised configuration for maximum performance: Broadcom, Microsemi or Areca controllers depending on the application, SSD cache.

NVMe/SAS/SATA multilane connectivity for extended throughput.

▶ **StorIQ** Technology partners :

debian   MICROCHIP   BROADCOM·   Western Digital.   nvm EXPRESS   Serial Attached SCSI   SERIAL ATA