FUJITSU

Data Sheet
FUJITSU Storage CELVIN® NAS QR806 Storage
Powerful 4-Drive NAS Solution

The FUJITSU Storage CELVIN® NAS QR806 is the ideal solution for file sharing, end to end backup options and SAN (Storage Area Network) integration for SMB customers - enabling centralized data management at a reasonable price. It has dual power supplies for superior reliability with up to 24 TB of storage capacity and is designed to be rack mounted right alongside other networked enterprise equipment.

Business Server Features
■ Rack mountable
■ Four hot swappable business critical or NAS drives
■ VMWare®/Citrix®/HyperV™ Capable
■ Redundant power supplies and cooling
■ High peformance through 10Gbit Ethernet

Reliability
■ Service-friendly cabinet
■ 3-years spare part supply
■ Country-specific warranty
■ Top-up services are available

CELVIN® NAS QR806

Technical specifications

	Linux embedded system Firmware based on 4.2.x or higher Processor:64-Bit Quad-Core AMD® G-Series 2.0GHz Memory: 4 GB DDR3L RAM, one free slot, max up to 16GB 512 MB Flash on DOM FAN:2x quiet cooling fan (4 cm) Formfactor: Rackmount 1U
Hard disk capacity	Up to 4 x 2.5-inch or 3.5-inch SATA I/II/SATA 6Gb/s HDD or SSD up to 24 TB raw capacity, consult HDD compatibility list NAS HDD: ready for 24x7 use; Business Critical HDD: tailored for 24x7 reliability
System controls	Power button, One-touch copy button, Reset Button

Interfaces

USB 2.0 total	3
USB 3.0 total	2
LAN / Ethernet	Rear side: x4 Gigabit RJ-45 Ethernet port (always on) Rear side: x1 10GbE PCI-E - pre-installed SFP + NIC)

Functional Description

Networking	TCP/IP (IPv4 /IPv6 dual stack), multi IP setting,LACP,
	Port trunking /NIC teaming:
	    Balance-rr (Round-Robin), Active Backup, Balance XOR, Broadcast, IEEE 802.3ad,
	    Balance-tlb (Adaptive, Transmit Load Balancing), Balance-alb (Adaptive Load Balancing)
	DHCP client, DHCP server including PXE boot
	CIFS/SMB(1.0,2.0,2.1,3.0 selectable), SAMBA 4, AFP/Netatalk3.3, NFS v3, HTTP, HTTPS, FTP,SFTP(admin),
	DDNS, NTP, Telnet, SSH, iSCSI, SNMP,WebDAV,SMSC
	Gigabit w/ Jumbo Frame, Bonjour
	
	iSCSI target (with multi-LUNs per target), Up to 256 LUNs/targets combined
	iSCSI LUN online expansion
	LUN mapping / LUN masking
	Online LUN capacity expansion
	SCSI Primary Commands -3 (SPC-3) support / persistent reservation
	MC/S (multiple TCP connections / session) support to reach iSCSI target
	MPIO (multipath input output) for load balancing and failover
	iSCSI LUN Backup, One-time-Snapshot and Restore
	iSCSI initiator for virtual disks (max 8 disks); stack chaining master
	    Virtual disk support for EXT3/ EXT4/ NTFS/ FAT32/ HFS+
	iSCSI Connection and Management by Fujitsu Finder (Windows)
	
	Support for VMware VSphere (ESXi 5.x) via NFS and iSCSI
	(VMware VAAI for iSCSI and VAAI for NAS)
	Windows Server 2008 support (Hyper-V & failover clustering)
	Windows Server 2012 R2 Hyper-V;
	ODX support
	Citrix XenServer (6.2)
	
	VLAN 802.1Q
	USB WiFi-Adapter support IEEE 802.11b/g/n/ac
	    WEP, WPA-personal (AES/TKIP), WPA2-personal (AES)
	    Connection to wireless network or Ad Hoc network

Functional Description

Backup Management	Client backup software
	Time machine backup (OS X Lion support)
	3rd party backup software support
	Encrypted block-level remote replication (instant, scheduled backup management); synchronization mode/Rsync
	Real-time remote replication (RTRR protocol) for real-time backup of server & client, 3 sync modes, filter, policy definition, SSL protected
	Backup to Cloud
	Backup to (encryptable) USB storage devices
	LUN backup and restore
	LUN point-in-time snapshot (1x)
	Snapshot: Volume/LUN snapshots
	Cloning of snapshots, snapshot vault, snapshot replica, snapshot agent
	for WINDOWS VSS /VMware
File System Management	Network share management '(max. 512 shares)
	Share folder level ACL support
	Unicode support
	Journaling file system
	Web File Manager
	File management by Web-browser
	File and folder search
	Direct file viewing via Google Docs support (pdf,tif/tiff,ppt,doc,xls,pptx,docx,xlsx,svg,odt)
	Create and send download links for public file sharing (time expiration, password protected)
Disk Management	Disk usage status management; HDD S.M.A.R.T.; Bad blocks scan
	RAID 0/1/5/5+HS/10/6, JBOD, single disk
	Online RAID capacity expansion; online RAID-level migration
	RAID recovery, Bitmap support
	ISO mounting (max 256) via Web File Manager
User Management	User quota management
	Microsoft Active Directory (AD) & Domain Controller support
	LDAP server, LDAP client
	Domain users login via CIFS/SMB, AFP, FTP, and File Station
	User account management (max. 4096users)
	User group management (max. 512 groups)
	Shared folders (max. 512)
	Concurrent connections (max. 256)
	Support batch creating users
	User Import/ Export for Multiple CELVIN NAS Deployment
	Subfolder Permission (File/Directory ACL)
	Microsoft Networking (Samba) Host Access Control (Domain/IP)
Radius Server	Support for 802.1x security authentication: PAP , EAP-TLS/PAP, EAP-TTLS/PAP (WPA-Enterprise, WPA2-Enterprise) max. 10 RADIUS clients, max. 4096 users
VPN Server	OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption; 15 clients each
System Tools	E-mail alert (SMTP authentication); SMS alert notification
	Disk usage alert
	HDD standby mode
	Automatic power on after power loss
	Schedule power on/ off
	System firmware upgrade
	Wake-on-LAN
	Smart fan setting
	Back up, restore, reset system settings
	Configurable management port
	Remote login by Telnet connection
	USB, SNMP(v2, v3) UPS support
	Network recycle bin
Event Logs	Complete system logs (file level): system events management, connection logs, current connection of on-line users
	Centralized monitoring / syslog server (TCP / UDP)
	Manually and advanced log filtering via wizzard
Multilingual (Online) Support	English, German, Czech, Danish, Spanish, French, Italian, Norwegian, Polish, Russian, Finish, Swedish, Dutch, Turkish, Greek, Hungarian, Portuguese (Brazil), Romanian, Japanese, Korean, Thai, Chinese (Traditional & Simplified)

Functional Description

FTP Server	FTP remote access (max. 256 concurrent connections) FTP with SSL/ TLS (explicit) mode FTP bandwidth control and connection control Passive FTP port range control FXP and Unicode support TFTP server (PXE boot) SFTP (admin only)
Printer Server	USB printer network sharing (Windows / Mac) 3 printers maximum Internet printing protocol, printer management, Apple Bonjour printing
Web Server	Built-in editable php.ini, SQLite and MySQL Web-based management via phpMyAdmin Max. 32 virtual hosts
MySQL Server	MySQL database server
Security	Network access protection with autoblocking (SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP) Policy based automatic IP blocking and IP filter Encrypted access (HTTPS, FTP with SSL/TLS(explicit),SSH/SFTP, RSync over SSH, CIFS host access control for shared folders ClamAV antivirus protection FIPS 140-2 validated AES 256-bit volume based data encryption Importable SSL certificates OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption Radius Server Instant alert via E-mail, SMS, Instant Messaging
Surveillance Station	Includes 4 free camera licenses, up to 40 camera channels via additional license purchase Instant playback to check recent events Online editing to edit cameras during live view Visual aid by e-map Playback and speed control using the shuttle bar Video preview on playback timeline Intelligent video analytics (IVA) for advanced video searching Surveillance Station via App Center
Application center	Diverse applications downloadable via App center Fujitsu NAS Explorer, Fujitsu NAS Manager for Android / iOS Fujitsu Finder, Qsync, Qget, Netbak Replicator standard software

Supported Operating Systems and Browsers

Supported operating systems	Windows 10 Windows 8.1 Windows 8 Windows 7 Mac OS X Linux UNIX Windows® Server 2012 R2 Windows® Server 2012 Windows® Server 2008 R2 Windows® Server 2003
Browser Support	Internet Explorer 10+ / Edge / Mozilla Firefox 8+ / Apple Safari 4+ / Google Chrome

Supported formats

Supported file system	EXT4 (internal/external HDD) EXT3 (external HDD) NTFS (external HDD) FAT32 (external HDD) HFS+ (externel HDD)

Electrical values

Power consumption	HDD-Sleep mode: 44,9W (with 10GbE NIC) Operation: 65,62W (with 10GbE NIC)
Power supply input	Internal swappable power supply module 2x250W 50-60Hz Input: 100-240V AC / 5A

Compliance

Europe	CE
USA/Canada	FCC Class A
Compliance notes	* Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates

Dimensions / Weight / Environmental

Dimensions (W x D x H)	439 x 499 x 44 mm
Weight	Net weight: 7.6 kg, Gross weight: 11.6 kg; Package incl. System w/o HDD
Operating ambient temperature	0 - 40 ℃
Operating relative humidity	20 - 85 % (relative humidity), wet bulb 27° C
Acoustic noise level	Sound pressure (LpAm) :36.4 dB(A)

Package content

		CELVIN® NAS QR806; Power Cord, LAN cable, Key for tray lock, trays, Quick Start Guide Please note: Rail kits are not included in the package.
S26341-F103-L212	EAN: 4051554629083	Single Tray with 2 TB NAS Hard Disk Drive
S26341-F103-L213	EAN: 4051554629090	Single Tray with 3 TB NAS Hard Disk Drive
S26341-F103-L214	EAN: 4053026594257	Single Tray with 4 TB NAS Hard Disk Drive
S26341-F103-L216	EAN: 4053026871037	Single Tray with 6 TB NAS Hard Disk Drive
S26341-F105-L4	EAN: 4057185592000	CELVIN RAM 4GB DDR3L SO-1600
S26341-F107-L806	EAN: 4057185651387	w/trays, w/o HDD, EU
S26341-F107-L843	EAN: 4057185651462	4x3TB NAS HDD, EU
S26341-F107-L844	EAN: 4057185651509	4x4TB NAS HDD, EU
S26341-F107-L846	EAN: 4057185651547	4x6TB NAS HDD, EU
S26341-F107-L853	EAN: 4057185649506	4x3TB NAS HDD, INT
S26341-F107-L856	EAN: 4057185649513	4x6TB NAS HDD, INT
S26341-F107-L892	EAN: 4057185651585	4x2TB BC HDD, EU
S26341-F107-L893	EAN: 4057185651622	4x3TB BC HDD, EU

Warranty

Warranty period	2 years
Warranty type	Onsite warranty
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty
Recommended Service	2/3 years, 9x5, Onsite Response Time: Next Business Day or Second Business Day
Spare Parts availability	3 years
Service Weblink	http://www.fujitsu.com/fts/services/support

More information

Fujitsu OPTIMIZATION Services

In addition to FUJITSU Accessory CELVIN® NAS QR806, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about FUJITSU Storage CELVIN® NAS QR806, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts/accessories

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at http://www.fujitsu.com/global/about/environment