

# Data Sheet

## FUJITSU CELVIN® NAS Q703 Storage

### 2-Drive RAID Protection

The CELVIN® NAS Q703 satisfies the business need for centralized data management needs. Both partners and users can set up and administrate the state of the art CELVIN® NAS easily and at an affordable price. Saving data, managing and sharing files over multiple platforms has never been so simple or so easy.

#### Business Server Feature

- Ideal NAS storage, backup and file sharing
- Simply enhance features
- Multipurpose App Center
- Two year Bring-In warranty as standard - Upgradable to Next Business Day response

#### Reliability

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



# CELVIN® NAS Q703

## Technical specifications

	Firmware based on 4.1.1 Processor: Marvell 2.0 GHz Memory: 1 GB DDRIII RAM, 16 MB Flash FAN: 1 x quiet cooling fan 70mm, 12V DC eSATA x2, USB3.0 x2, USB2.0 x1, Gigabit LAN x1 Swappable trays x2
<b>Hard disk capacity</b>	Up to 2 x 3.5" or 2.5" SATA I/II HDD / SSD Up to 8TB raw capacity, consult HDD compatibility list
<b>LED</b>	USB Status HDD 1 HDD 2 LAN
<b>System controls</b>	Power button, One-touch copy button, Alarm Buzzer (System Warning), Reset Button
<b>Power outlet 240 V</b>	
<b>USB 2.0 total</b>	Front side: x1
<b>USB 3.0 total</b>	Rear side: x2
<b>eSATA</b>	Rear side: x2
<b>LAN / Ethernet</b>	Rear side: x1 Gigabit RJ-45 Ethernet port (always on)

## Software specification

<b>Networking</b>	<p>TCP/IP (IPv4 /IPv6 dual stack), multi IP setting, LACP, DHCP client, DHCP server including PXE boot CIFS/SMB(1.0,2.0,2.1,3.0 selectable), AFP/Netatalk3.2, NFS v3, HTTP, HTTPS, FTP,SFTP(admin), DDNS, NTP, Telnet, SSH, iSCSI, SNMP, WebDAV, S/MSC Gigabit w/ Jumbo Frame, Bonjour</p> <p>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 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)</p> <p>Support for VMware VSphere 4 and 5 via NFS and iSCSI Windows Server 2008 support (Hyper-V &amp; failover clustering) Citrix XenServer (6.0)</p> <p>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</p>
<b>Backup Management</b>	<p>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 &amp; client, 3 sync modes, filter, policy definition, SSL protected RTRR/Rsync work as server or client with bandwidth control Backup to Cloud Backup to (encryptable) USB/eSATA storage devices LUN backup and restore LUN point-in-time snapshot (1x)</p>

## Software specification

<b>File System Management</b>	<ul style="list-style-type: none"> <li>Network share management (max. 512 shares)</li> <li>Share folder level ACL support</li> <li>Unicode support</li> <li>Journaling file system</li> <li>Web File Manager <ul style="list-style-type: none"> <li>File management by Web-browser</li> <li>File and folder search</li> <li>Direct file viewing via Google Docs support (pdf,tif/tiff,ppt,doc,xls,pptx,docx,xlsx,svg,odt)</li> <li>Create and send download links for public file sharing (time expiration, password protected)</li> </ul> </li> </ul>
<b>Disk Management</b>	<ul style="list-style-type: none"> <li>Disk usage status management; HDD S.M.A.R.T.; Bad blocks scan</li> <li>RAID 0,1, single disk, JBOD</li> <li>Built-in iSCSI target service, Virtual disks (iSCSI initiator)</li> <li>Online RAID management: expand capacity, migrate Raid-level, bitmap</li> <li>ISO mounting support up to 256 ISO-files</li> </ul>
<b>User Management</b>	<ul style="list-style-type: none"> <li>User quota management</li> <li>Windows Active Directory support, max. 10k users</li> <li>LDAP directory service supports Open LDAP, max. 10k domain users</li> <li>User account management (max. 2048users)</li> <li>User group management (max. 256 groups)</li> <li>Shared folders (max. 256)</li> <li>Concurrent connections (max. 256)</li> <li>Support batch creating users</li> <li>User Import/ Export for Multiple CELVIN NAS Deployment</li> <li>Subfolder Permission (File/Directory ACL)</li> <li>Microsoft Networking (Samba) Host Access Control (Domain/IP)</li> </ul>
<b>Radius Server</b>	<ul style="list-style-type: none"> <li>Support for 802.1x security authentication: PAP, EAP-TLS/PAP, EAP-TTLS/PAP (WPA-Enterprise, WPA2-Enterprise)</li> <li>max. 10 RADIUS clients, max. 4096 users</li> </ul>
<b>VPN Server</b>	<ul style="list-style-type: none"> <li>OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption</li> </ul>
<b>System Tools</b>	<ul style="list-style-type: none"> <li>E-mail alert (SMTP authentication); SMS alert notification</li> <li>HDD standby mode</li> <li>Disk usage alert</li> <li>Automatic power on after power loss</li> <li>System firmware upgrade</li> <li>Back-up, restore, reset system settings</li> <li>Smart fan setting</li> <li>Configurable management port</li> <li>Policy-based unauthorized IP blocking; import user list</li> <li>Secure remote login by SSH connection</li> <li>Remote login by Telnet connection</li> <li>USB, SNMP v3, UPS support</li> <li>Scheduled power on/off</li> <li>Import SSL certificate</li> <li>Network recycle bin</li> <li>Password strength checker</li> </ul>
<b>Event Logs</b>	<ul style="list-style-type: none"> <li>Complete system logs (file level): system events management, connection logs, current connection of on-line users</li> <li>Centralized monitoring / syslog server (TCP / UDP)</li> <li>Manually and advanced log filtering via wizard</li> </ul>
<b>Multilingual (Online) Support</b>	<ul style="list-style-type: none"> <li>English, German, Czech, Danish, Spanish, French, Italian, Norwegian, Polish, Russian, Finish, Swedish, Dutch, Turkish, Greek, Hungarian, Portuguese (Brazil), Romanian, Japanese, Korean, Thai, Chinese (Traditional &amp; Simplified)</li> </ul>
<b>FTP Server</b>	<ul style="list-style-type: none"> <li>FTP remote access (max. 256 concurrent connections)</li> <li>FTP with SSL/ TLS (explicit) mode</li> <li>FTP bandwidth control and connection control</li> <li>Passive FTP port range control</li> <li>FXP and Unicode support</li> <li>TFTP server (PXE boot)</li> <li>SFTP (admin only)</li> </ul>
<b>Printer Server</b>	<ul style="list-style-type: none"> <li>Max. 3 printers; Internet Printing Protocol; Apple Bonjour Printing;</li> <li>Print job display and management</li> <li>IP/Domain based privilege control</li> </ul>
<b>Web Server</b>	<ul style="list-style-type: none"> <li>Built-in editable php.ini, SQLite and MySQL</li> <li>Web-based management via phpMyAdmin</li> <li>Max. 32 virtual hosts</li> </ul>

**Software specification**

<b>MySQL Server</b>	MySQL database server
<b>Security</b>	<p>Network access protection with autoblocking (SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP)</p> <p>Policy based automatic IP blocking and IP filter</p> <p>Encrypted access (HTTPS, FTP with SSL/TLS(explicit),SSH/SFTP, RSync over SSH, CIFS host access control for shared folders)</p> <p>ClamAV antivirus protection</p> <p>FIPS 140-2 validated AES 256-bit volume based data encryption</p> <p>Importable SSL certificates</p> <p>OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption</p> <p>Radius Server</p> <p>Instant alert via E-mail, SMS, Instant Messaging, LCD</p>
<b>Surveillance Station</b>	<p>2 channel free, up to 8 channels possible (fee-based)</p> <p>IP camera finder software and configuration</p>
<b>Multimedia</b>	<p><b>UPnP Media Server</b></p> <p>Built-in TwonkyMedia Server</p> <p>Real-time &amp; Background Photo Transcoding</p> <p>Supports UPnP Media Player Such as PlayStation 3 and Xbox 360</p> <p>Supported format (The actual playback capabilities may vary depending on the UPnP client.)</p> <p>Audio: MP3, MP4, M4A, M4A (ALAC), M4B, 3GP, APL, AC3, M1V, M4V, MOV, AAC, AMR, AWB, WAV, PCM, LPCM, MP1, MP2, AIF, AIFF, AIFC, SND, WMA, OGG, FLAC</p> <p>Photo: JPG, JPE, JPEG, TIFF, TIF, GIF, PNG, BMP</p> <p>Video: WMV, ASF, VDR, AVI, XVID, DIVX, FLV, MPG, MPE, MTS, M2TS, M2T, MPEG, SPTS, M2P, M2V, MP2T, MP2P, MPG2, DVR-MS, VOB</p> <p>Playlist: M3U, M3U8, WPL, PLS</p> <p><b>DLNA Server</b></p> <p>Supports DLNA/UPnP TVs and Players such as PlayStation 3 and Xbox 360</p> <p>Supported audio format: AIFF, APE, DSD (DSF, DFF), FLAC, M4A, M4A Apple Lossless (ALAC), MP3, Ogg Vorbis, WAV (PCM, LPCM), WMA, WMA PRO, WMA VBR</p> <p>DRM encryption format is not supported.</p> <p>Support CUE indexing file for APE, FLAC audio format.</p> <p>Video and Audio On-the-fly Transcoding</p> <p><b>Multimedia Device</b></p> <p>Supports Photo, Audio and Video</p> <p>Image Slideshow and Rotation</p> <p>Automatic &amp; Schedule Thumbnail Generation for Easy Browsing</p> <p>Display Photo Details from EXIF: Date, Exposure Time, Aperture, etc.</p> <p>Display Audio Details from ID3 Tag: Album Cover, Title, Artist, Album, etc.</p> <p>Access Authority Management</p> <p>Multimedia (Video &amp; Audio) Streaming</p> <p>Supports Cooliris</p> <p>Supports Web Publishing (Facebook, MySpace, MSN Live, Twitter, Plurk, Blogger)</p> <p>Share Photos by Email</p> <p>Supported Formats:</p> <p>Photo - JPG/JPEG, GIF, PNG</p> <p>Audio - MP3</p> <p>Video</p> <p>Playback: FLV, MPEG-4 Video (H.264 + AAC)</p> <p>AVI, M4V, MPG/MPEG, RM/RMVB, WMV</p>
<b>Application center</b>	<p>Diverse applications downloadable via App center</p> <p>Fujitsu NAS Explorer, Fujitsu NAS Manager for Android / iOS</p>
<b>Download Station</b>	<p>via App Center installable</p> <p>BitTorrent (FTP/ HTTP scheduled download)</p> <p>Support of TCP/ UDP tracker protocol, distributed hash table/DHT</p> <p>Up to 500 BT download tasks</p> <p>Download configuration / download status list</p> <p>RSS download manager, subscription to RSS feeds, RSS download</p> <p>Website subscription service: Youtube</p> <p>Multiple URLs in one task</p> <p>QGet software for Window &amp; Mac OS</p>

<b>Supported operating systems</b>	Windows 8.1 Windows 8 Windows 7 Windows Vista® Windows® XP Mac OS X Linux UNIX Windows® Server 2012 Windows® Server 2008 R2 Windows® Server 2003
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<b>Browser Support</b>	Internet Explorer 10+ / Mozilla Firefox 8, 9, 10 / Apple Safari 4, 5 / Google Chrome
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**Supported formats**

<b>Supported file system</b>	EXT4 (internal/external HDD) NTFS (external HDD) FAT32 (external HDD) EXT3 (internal/external HDD) HFS+ (external HDD)
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**Electrical values**

<b>Device Classification</b>	Information according to ErP Regulation (EC) No. 1275/2008 – Standby/networked standby requirements:  All CELVIN® NAS Servers have a so called “EUP-mode” implemented. With activated “EuP-mode” the device has a maximum power consumption of 0.5 W in standby mode by limited functionality. (Details are described in the operating manual) The intended use of these type of networked infrastructure device is providing always available data access while operating (i.e. “always on”). The requirement of networked standby mode function as described in Regulation (EC) No. 1275/2008 Annex II, 3(b) (“Power management for networked equipment”) would be inappropriate for this intended use of the equipment. It could only be achieved by turning off vital components of the equipment that are essential for the maintenance of the intended use.
<b>Power consumption</b>	Off-mode (EuP-mode): 0.3W HDD-Sleep mode: 11.9W HDD R/W-mode: 30.6 W
<b>Power supply input</b>	External power supply 100 - 240V
<b>Power supply output</b>	12V / 5A; 60W
<b>Humidity (operating)</b>	5 - 95 % (relative humidity)

**Compliance**

<b>Europe</b>	CE
<b>USA/Canada</b>	FCC Class B
<b>Compliance link</b>	<a href="http://globalsp.ts.fujitsu.com/sites/certificates">http://globalsp.ts.fujitsu.com/sites/certificates</a>

**Dimensions / Weight / Environmental**

<b>Dimensions (W x D x H)</b>	102.0 x x 150.0 mm
<b>Weight</b>	1.74 kg
<b>Weight notes</b>	without hard disks
<b>Operating ambient temperature</b>	0 - 40 °C
<b>Operating relative humidity</b>	5 - 95 % (relative humidity)
<b>Acoustic noise level</b>	Standby: 11.9 dB Operation: 25.3dB

CELVIN NAS Server Q703; Power Cord, CD, LAN cable, Key for tray lock, trays, Quick Start Guide, Service flyer

**Order information**

S26341-F103-L703	EAN: 4053026518802	w/o HDD
S26341-F103-L713	EAN: 4053026518819	Different
S26341-F103-L723	EAN: 4053026518826	2x2TB NAS HDD EU
S26341-F103-L733	EAN: 4053026518833	2x3 TB NAS HDD EU
S26341-F103-L743	EAN: 4053026585873	2x4TB NAS HDD EU
S26341-F103-L753	EAN: 4053026518840	w/o HDD INT
S26341-F103-L773	EAN: 4053026518895	2x2 TB NAS HDD INT
S26341-F103-L783	EAN: 4053026518901	2x3 TB NAS HDD INT
S26341-F103-L793	EAN: 4053026594240	2x4 TB NAS HDD INT
VFY:CQ703XX000E1	EAN: 4053026518918	2x1TB NAS HDD EU

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**Order information**

VFY:CQ703XX010E1

EAN: 4053026518925

2x2TB NAS HDD EU

# More information

## Fujitsu OPTIMIZATION Services

In addition to FUJITSU CELVIN® NAS Q703, 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/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about FUJITSU CELVIN® NAS Q703, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
[www.fujitsu.com/fts/accessories](http://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>



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## Contact

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