# Data Sheet
## FUJITSU Storage CELVIN® NAS QE805 Storage
Powerful 4-Drive NAS

The CELVIN® NAS QE805 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 Features**
- 4 hot swappable drives
- Backup and replication center
- Multimedia features
- Multipurpose App center

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



# CELVIN® NAS QE805

| Technical specifications | |
|---|---|
| | Firmware based on 4.1.4<br>Processor: Freescale™ ARM®v7 Cortex®-A9 dual-core 1.2GHz<br>Memory: 512MB DRAM, 512 MB Flash Memory<br>FAN: 1 x quiet cooling fan 120mm, 12V DC<br>eSATA x1, USB3.0 x3, Gigabit LAN x2<br>Swappable trays x4 |
| **Hard disk capacity** | Up to 4 x 3.5" or 2.5" SATA 3Gb/s or 6Gb/s HDD / SSD<br>Up to 4x6TB raw capacity, consult HDD compatibiity list |
| **System controls** | Power, USB One-Touch-Copy, reset |
| **Interfaces** | |
| **USB 3.1 Gen1 (USB 3.0) total** | Front: x1, Rear: x2 |
| **LAN / Ethernet** | Rear side: x2 Gigabit RJ-45 Ethernet port (always on) |
| **Software specification** | |
| **Networking** | TCP/IP (IPv4 /IPv6 dual stack), multi IP setting,LACP,<br>DHCP client, DHCP server including PXE boot<br>CIFS/SMB(1.0,2.0,2.1 selectable), AFP/Netatalk3.2, NFS v3, HTTP, HTTPS, FTP,SFTP(admin),<br>DDNS, NTP, Telnet, SSH, iSCSI, SNMP,WebDAV,SMSC<br>Gigabit w/ Jumbo Frame,<br>Bonjour<br><br>iSCSI target (with multi-LUNs per target), Up to 256 LUNs/targets combined<br>iSCSI LUN online expansion<br>LUN mapping / LUN masking<br>Online LUN capacity expansion<br>SCSI Primary Commands -3 (SPC-3) support / persistent reservation<br>iSCSI LUN Backup, One-time-Snapshot and Restore<br>iSCSI initiator for virtual disks (max 8 disks); stack chaining master<br>Virtual disk support for EXT3/ EXT4/ NTFS/ FAT32/ HFS+<br>iSCSI Connection and Management by Fujitsu Finder (Windows)<br><br>VLAN 802.1Q<br>USB WiFi-Adapter support IEEE 802.11b/g/n/ac<br>WEP, WPA-personal (AES/TKIP), WPA2-personal (AES)<br>Connection to wireless network or Ad Hoc network |
| **Backup Management** | Client backup software<br>Time machine backup (OS X Lion support)<br>3rd party backup software support<br>Encrypted block-level remote replication (instant, scheduled backup management); synchronization mode/Rsync<br>Real-time remote replication (RTRR protocol) for real-time backup of server & client, 3 sync modes, filter, policy definition, SSL protected<br>RTRR/Rsync work as server or client with bandwidth control<br>Backup to Cloud<br>Backup to (encryptable) USB/eSATA storage devices<br>LUN backup and restore<br>LUN point-in-time snapshot (1x) |

## Software specification

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| **File System Management** | Network share management '(max. 512 shares)<br>Share folder level ACL support<br>Unicode support<br>Journaling file system<br><br>File Station<br>Supports ISO Mounting (Up to 256 ISO Files)<br>Support thumbnail display of multimedia files<br>Support share download link and upload link<br>Drag-n-drop Files via Chrome and Firefox Browsers<br>Photo, music, and video preview and playback<br>File Compression and decompression (ZIP and 7z)<br><br>Qsync<br>Syncs files among multiple devices with SSL support<br>Selective synchronization for syncing specific folders only<br>Share team folder as a file center for team collaboration<br>Shares files by links via e-mail<br>Policy settings for conflicted files and file type filter support<br>Incremental synchronization for HDD space saving<br>Supports Windows & Mac OS |
| **Disk Management** | Disk usage status management; HDD S.M.A.R.T.; Bad blocks scan<br>RAID 0,1,5,6,10,5+spare<br>Built-in iSCSI target service, Virtual disks (iSCSI initiator)<br>Online RAID management: expand capacity, migrate Raid-level, bitmap<br>ISO mounting support up to 256 ISO-files |
| **User Management** | User quota management<br>Windows Active Directory support, Domain Controller<br>LDAP directory service supports Open LDAP<br>User account management (max. 2048users)<br>User group management (max. 256 groups)<br>Shared folders (max. 256)<br>Concurrent connections (max. 256)<br>Support batch creating users<br>User Import/ Export for Multiple CELVIN NAS Deployment<br>Subfolder Permission (File/Directory ACL)<br>Microsoft Networking (Samba) Host Access Control (Domain/IP) |
| **VPN Server** | OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption |
| **System Tools** | E-mail alert (SMTP authentication); SMS alert notification<br>HDD standby mode<br>Disk usage alert<br>Automatic power on after power loss<br>System firmware upgrade<br>Back-up, restore, reset system settings<br>Smart fan setting<br>Configurable management port<br>Policy-based unauthorized IP blocking; import user list<br>Secure remote login by SSH connection<br>Remote login by Telnet connection<br>USB, SNMP v3, UPS support<br>Scheduled power on/off<br>Import SSL certificate<br>Network recycle bin<br>Password strength checker |
| **Event Logs** | Complete system logs (file level): system events management, connection logs, current connection of on-line users<br>Centralized monitoring / syslog server (TCP / UDP)<br>Manually and advanced log filtering via wizzard |
| **Multilingual (Online) Support** | Chinese (Traditional & Simplified), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish |

| Software specification | |
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| **FTP Server** | FTP remote access (max. 256 concurrent connections)<br>FTP with SSL/ TLS (explicit) mode<br>FTP bandwidth control and connection control<br>Passive FTP port range control<br>FXP and Unicode support<br>TFTP server (PXE boot)<br>SFTP |
| **Printer Server** | Max. 3 printers; Internet Printing Protocol; Apple Bonjour Printing;<br>Print Job display and management<br>IP/Domain based privilge control |
| **Web Server** | Built-in editable php.ini, SQLite and MySQL<br>Web-based management via phpMyAdmin<br>Max. 32 virtual hosts |
| **MySQL Server** | MySQL database server |
| **Security** | Network access protection with autoblocking (SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP<br>Policy based automatic IP blocking and IP filter<br>Encrypted access (HTTPS, FTP with SSL/TLS(explicit),SSH/SFTP, RSync over SSH,<br>CIFS host access control for shared folders<br>ClamAV antivirus protection<br>FIPS 140-2 validated AES 256-bit volume based data encryption<br>Importable SSL certificates<br>OpenVPN up to 256bit SSL/TLS, PPTP up to 128bit encryption; each 15 clients max.<br>Radius Server<br>Instant alert via E-mail, SMS, Instant Messaging, LCD |
| **Surveillance Station** | Includes 2 free camera licenses, up to 8 camera channels via additional license purchase<br>Instant playback to check the recent event<br>Visual aid by e-map<br>Playback and speed control by shuttle bar<br>Video preview on playback timeline<br>Intelligent video analytics (IVA) for advanced video search |

## Software specification

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| **Multimedia** | DLNA Server<br>Supports DLNA/UPnP TVs and Players such as PlayStation 3 and Xbox 360<br>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<br>*DRM encryption format is not supported.<br>Support CUE indexing file for APE, FLAC audio format.<br>Video and Audio On-the-fly Transcoding<br><br>Video Station<br>Show photos in thumbnails, list, timeline, or folder view<br>Tags videos with text, color, and rating<br>Animated thumbnails for videos<br>Shares video collection link to social websites or through email<br>Display movie information from IMDB<br>Transcode Management<br>Offline video transcoding: 240p, 360p, 480p, 720p and 1080p resolution<br>Automatic video transcoding for watched folders<br><br>Music Station<br>Plays or Shares Music Collections with Web Browser<br>Automatic Classification via Media Library<br>Supported audio format: AIFF, APE, FLAC, M4A, M4A Apple Lossless (ALAC), MP3, Ogg Vorbis, WAV (PCM, LPCM),WMA, WMA PRO, WMA VBR<br>* DRM encryption format is not supported.<br>Internet Radio (MP3)<br>Up to 8 Music Alarms<br><br>Photo Station<br>Show photos in thumbnails, list, timeline, or folder view<br>Supports virtual/smart album<br>Tags photos with text, color, and rating<br>Slideshows with background music and different transition effects<br>Animated thumbnails for videos<br>Geotags photos and display them on Google maps<br>Shares slideshows link to social websites or through email<br><br>iTunes Server<br>Audio and Video Sharing for Windows & Mac iTunes<br><br>AirPlay<br>Streams videos, photos and music from NAS to Apple TV via Qfile |
| **Application center** | Diverse applications downloadable via App center<br>Fujitsu NAS Explorer, Fujitsu NAS Manager for Android / iOS |
| **Download Station** | PC-less BT, FTP/FTPS, and HTTP/HTTPS download (up to 500 Tasks)<br>BT download with Magnet Link and PT support<br>Scheduled download and bandwidth control<br>RSS subscription and download (broadcatching)<br>Bulk download with wildcard settings<br>BT search<br>Proxy support for BT download<br>PC utility: Qget for downloads browsing and management |
| **Browser Support** | Internet Explorer 10+ / Mozilla Firefox 8, 9, 10 / Apple Safari 4, 5 / Google Chrome |

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| **Electrical values** | |
| **Device Classification** | Information according to ErP Regulation (EC) No. 1275/2008 – Standby/networked standby requirements:<br><br>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)<br>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. |
| **Power consumption** | Off-mode (EuP-mode): 0.3W HDD-Sleep mode: 14,84W<br>HDD R/W-mode: 33,75 W (2drives) |
| **Power supply input** | External power supply 100 - 240V |
| **Power supply output** | 90W |
| **Humidity (operating)** | 5 - 95 % (relative humidity), wet bulb 27° C |
| **Compliance** | |
| **Compliance link** | https://sp.ts.fujitsu.com/sites/certificates |
| **Dimensions / Weight / Environmental** | |
| **Dimensions (W x D x H)** | 180 x 235 x 177 mm |
| **Weight** | 3 kg |
| **Operating ambient temperature** | 0 - 40 °C |
| **Operating relative humidity** | 5 - 95 % (relative humidity), wet bulb 27° C |
| **Package content** | |
| | CELVIN NAS Server QE805; Power Cord,LAN cable, trays, Quick Start Guide, Service flyer |

**Order information**

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|---|---|---|
| S26341-F106-L805 | EAN: 4057185549516 | w/o HDD EU |
| S26341-F106-L812 | EAN: 4057185549554 | 4x2 TB NAS HDD EU |
| S26341-F106-L813 | EAN: 4057185549592 | 4x3 TB NAS HDD EU |
| S26341-F106-L814 | EAN: 4057185549639 | 4x4 TB NAS HDD EU |
| S26341-F106-L822 | EAN: 4057185549677 | 4x2 TB NAS HDD INT |
| S26341-F106-L824 | EAN: 4057185549714 | 4x4 TB NAS HDD INT |

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| **Warranty** | |
| **Warranty period** | 2 years |
| **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 |
| **Service Weblink** | http://www.fujitsu.com/fts/services/support |

# More information

## Fujitsu OPTIMIZATION Services

In addition to FUJITSU Storage CELVIN® NAS QE805, 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.

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

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www.fujitsu.com/software/

## More information

Learn more about FUJITSU Storage CELVIN® NAS QE805, 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




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