

# ZyXEL



## Access Your Personal Entertainment Cloud

# 2 Bay

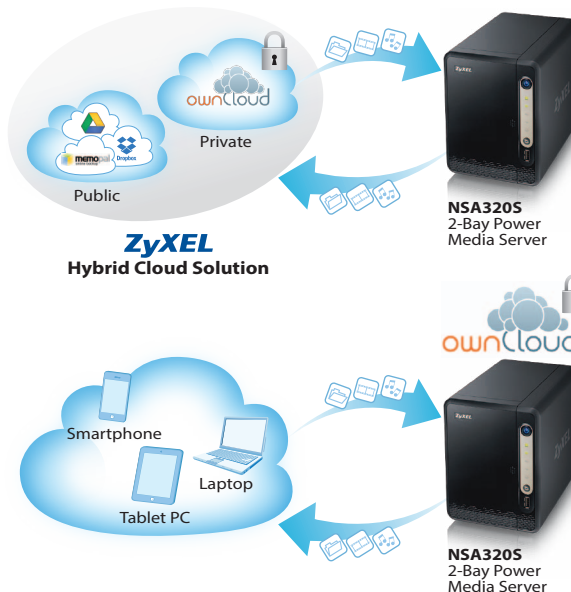
- Organize media, photo, music and backups in one centralized location
- Hybrid cloud solution offer remote backups and downloads everywhere
- Streams multiple HD media on DLNA-enabled devices or AirPlay\* streaming applications
- Organize, media library with the built-in media server
- Access your personal cloud from any mobile devices with ZyXEL zCloud, Polkast and ownCloud app
- Reduce power consumption with power scheduling and hibernation functions

The ZyXEL NSA320S 2-Bay Media Server provides high performance for you to share multimedia files, backup data as well as to manage music, videos, photos in your personal cloud. The NSA320S offers fast multimedia streaming and sharing functions for multiple UPnP and DLNA-certified devices throughout the entire house.

### Benefits

#### Hybrid cloud solution offer remote backups and downloads everywhere

Cloud services such as Google Drive™, Dropbox, Memopal and others make your life easier, but wouldn't it be better if all those can be consolidated into one service. With ZyXEL's Media Server you can. The ownCloud feature allows you to centralize all your cloud data in ZyXEL's Media Servers and offers fast local access to all your networked devices at home. You can enjoy the flexibility to make your data public or private, share your data to the public and rest assured that your private local cloud data is extremely safe.



**NSA320S**  
2-Bay Power  
Media Server



UPnP

DLNA  
CERTIFIED

Works with  
Dropbox



ownCloud



memopal  
online backup

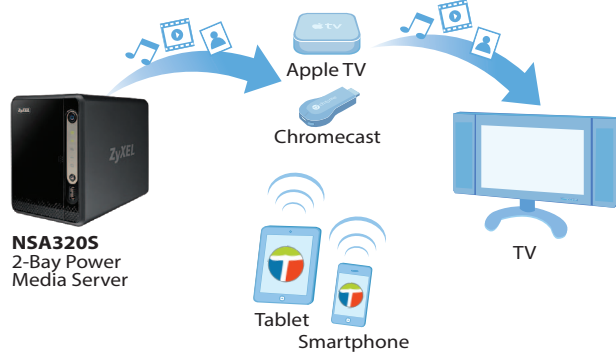
### Enjoy digital entertainment center everywhere at home

Powered by a 1.0 GHz CPU and 256 MB memory, the ZyXEL NSA320S 2-Bay Media Server works as your 24/7 personal cloud so you can quickly and easily share digital photos, music, and movies/videos, while keeping home computers backed up. The NSA320S is also a cloud download server that makes it easy to stream media to multiple UPnP and DLNA-certified devices including Microsoft Xbox, Sony PlayStation or DLNA TV anywhere in your home.

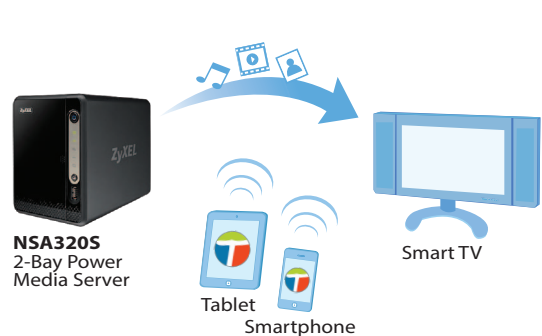
### Play media server contents on TV with AirPlay\* or Chromecast™\*\*

Apple TV and Chromecast™ are becoming more popular than ever. ZyXEL's Media Servers allow you to stream stored media files on Apple TV\* or Chromecast™\*\* through popular mobile apps including Twonky Beam, BubbleUPnP, Avia and Samsung TV Media. Turn your smart phone into a remote control for all the media stored on the ZyXEL Media Server!

#### Standard TV

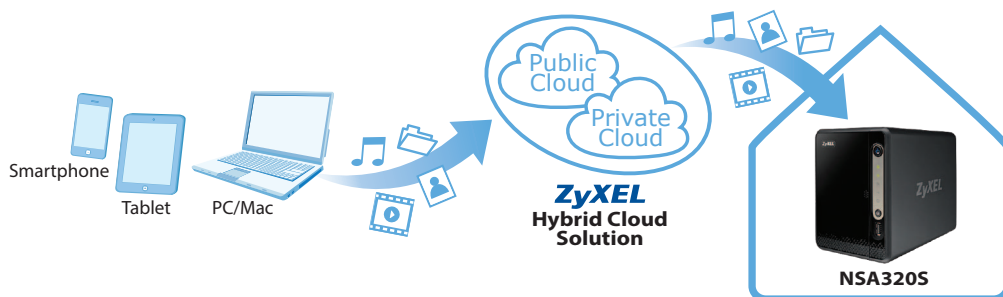


#### Smart TV



### Hybrid cloud media center for home

Consolidate your clouds in ZyXEL's Media Servers. The ZyXEL Media Servers work with a wide variety of public cloud services including Dropbox, Google Drive™, Memopal and more! Alternatively, you can create your own private cloud with ownCloud or Polkast for a secured private cloud data. Backup, playback and download files freely anywhere you go with ZyXEL's Media Servers.



### Enjoy Multimedia On-The-Go with zCloud

With zCloud, collectively view and access all your multimedia contents on your network storage with your mobile device anywhere you go.



zCloud



iPhone/iPad



Android

With zCloud, collectively view and access all your multimedia contents on your network storage with your mobile device anywhere you go.

ZyXEL zCloud is available for free on the Apple App Store and Google Play Store. You can also scan the QR code to download directly.



zMedia



iPhone/iPad



Android

zMedia for NSA configuration, system status monitoring, file browsing and media playback.

ZyXEL zMedia is available for free on the Apple App Store and Google Play Store. You can also scan the QR code to download directly.

## Specifications

### System Specifications

#### Networking

- Network protocol:
  - CIFS/SMB, NFS (for Linux/Unix)
  - FTP, HTTP
  - DHCP client
  - PPPoE
  - Network Time Protocol (NTP)
- Network application:
  - Personal Cloud with ownCloud and Polkast support
  - Media server:
    - DLNA 1.5 media server
    - UPnP AV server
    - iTunes server
    - SqueezeCenter support
    - Photo album server
  - Web server:
    - FTP server
    - phpMyAdmin/MySQL/PHP
    - RSS client & server
  - Smartphone application:
    - zCloud, zMedia, ownCloud, Dropbox, Polkast, Twonky Beam
  - Network application management:
    - User & group management
    - Package management for setting up applications
    - One-click-hosting sites download manager
  - Network security:
    - Support HTTPS and FTPES (FTP over explicit TLS/SSL)
    - Encrypted NSA to NSA remote replication
    - Encrypted NSA to external disk archive backup

#### Data Management

- Backup support:
  - One-touch copy/sync button for external USB-capable devices backup
  - Backup planner:
    - Instant/Scheduled backup
    - NSA to NSA synchronization/archive backup
    - NSA to external USB hard disk backup
  - Google Drive™ and Dropbox support
  - Apple Time Machine support
- Download/Upload support:
  - Auto-download from FTP/HTTP/P2P download service
  - Scheduled download
  - One-click hosting sites downloading
  - Auto-upload photos and videos to YouTube/Flickr/FTP server
- File system support:
  - Internal HDD: EXT4
  - External HDD: NTFS, EXT2, EXT3, EXT4, FAT32, ReiserFS, XFS

#### System Management

- RAID 0, 1, JBOD
- Online firmware upgrade
- Self-Monitoring Analysis and Reporting Technology (S.M.A.R.T.)

#### Power and Thermal Management

- Power control:
  - Internal disk hibernation support
  - Scheduled power on/off/reboot
  - Wake-on-LAN support
  - System automatically resume after power outage
  - APC USB UPS monitoring and auto shutdown
- Thermal management:
  - Smart fan speed control
  - High temperature alert/buzzer
  - Auto shutdown while high temperature
- Special feature: Hybrid cloud support for remote backup and download, intuitive user interface

#### Application Package Center

- Backup Planner
- Gallery
- NZBGet
- PHP-MySQL
- Polkast
- SqueezeCenter
- Transmission
- WrodPress

#### Minimum System Requirements

- OS for utility: Windows XP/Vista/7 (32 & 64 bit)/8 (32 & 64 bit)
- Browser: IE 10.0+, Firefox 20+, Google Chrome 10+, Safari 5+

### Hardware Specifications

- 2.5" or 3.5" SATA II hard disk interface supported up to 12 Terabytes
- One Gigabit Ethernet RJ-45 connector
- Three USB 2.0 ports
- Buttons:
  - Power button
  - Copy/Sync button
  - Reset button
- Smart fan design
- Power consumption:
  - Access mode: 28 watt
  - Hard disk spin-down mode: 7.5 watt
- Power:
  - Input: 100 - 240 V AC, 50/60 Hz
  - Output: 12 V DC, 5 A

### Physical Specifications

- Item dimensions (WxDxH):  
207 x 164 x 123 mm (8.15" x 6.46" x 4.84")
- Item weight: 1,257 g (2.77 lb.)
- Packing dimensions (WxDxH):  
280 x 173 x 275 mm (11.02" x 6.81" x 10.82")
- Packing weight: 2,260 g (4.99 lb.)

### Environmental Specifications

#### Operating Environment

- Temperature: 0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 95% (Non-condensing)

#### Storage Environment

- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 10% to 95% (Non-condensing)

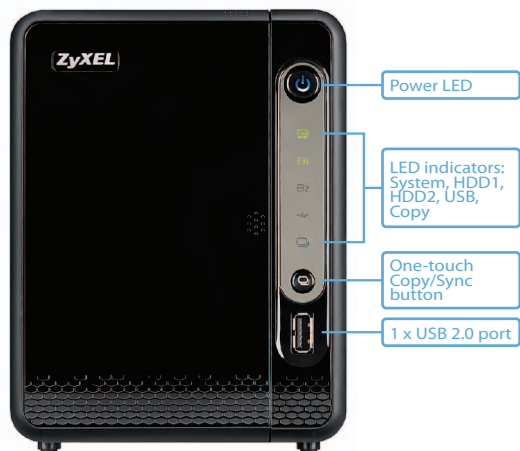
### Certification

- Safety: CE LVD, BSMI
- EMC: CE, FCC class B, C-Tick, BSMI
- Others: DLNA 1.5, UPnP

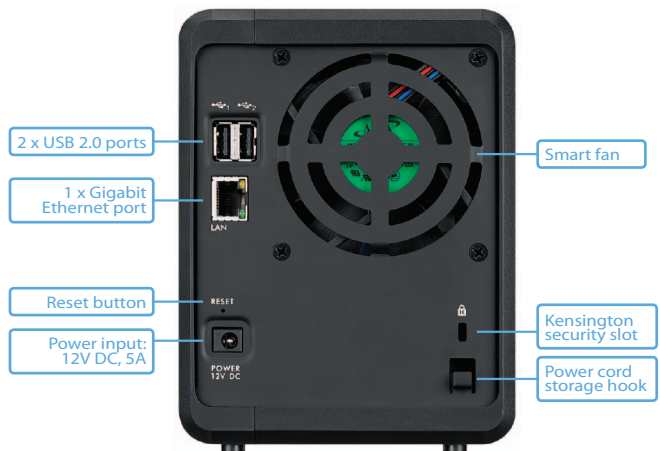
### Package Contents

- Network storage device
- Power adapter
- Ethernet cable
- Quick start guide
- Support CD
- Warranty card

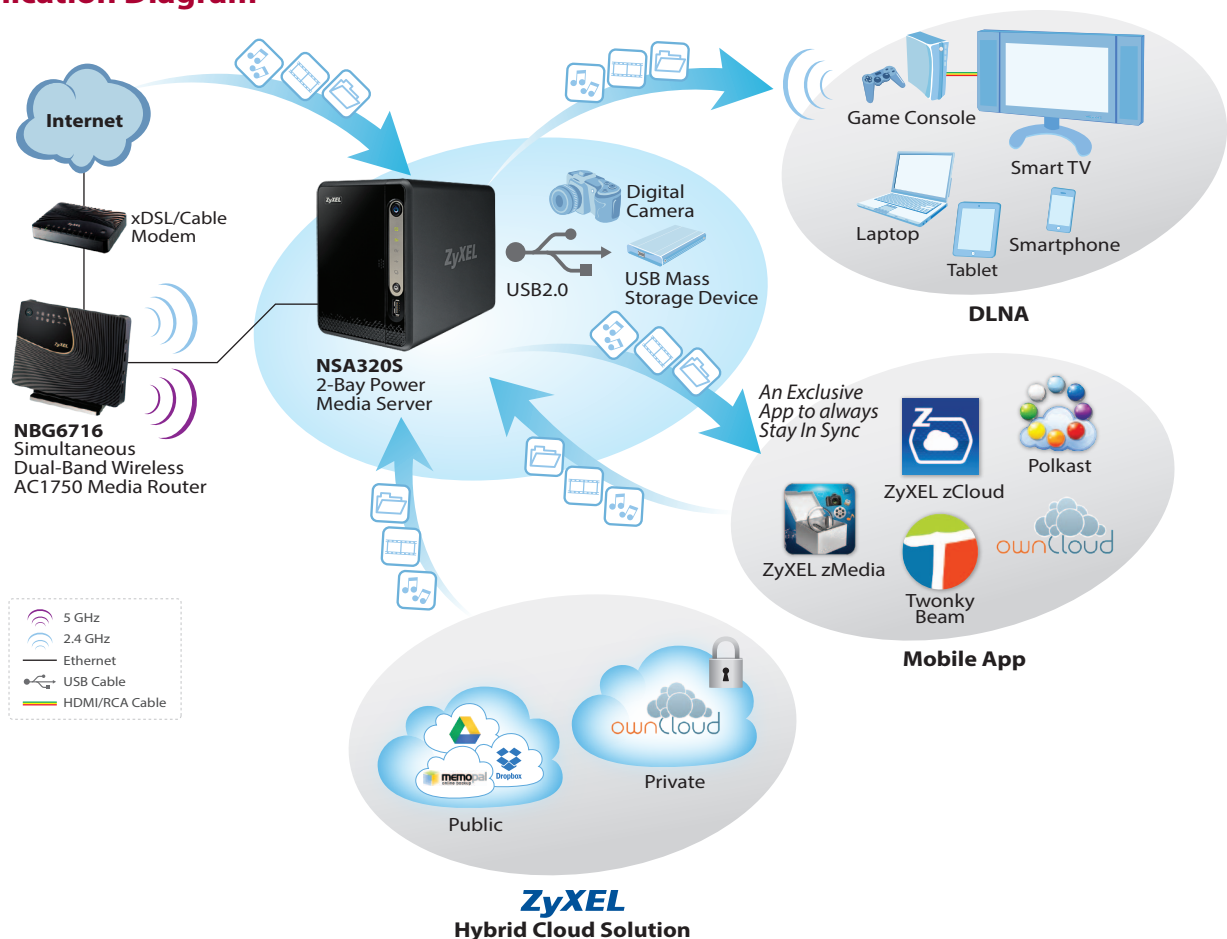
### Front Panel



### Rear Panel



### Application Diagram



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