

iPad Data Storage Options

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PC and iPad File Storage Compared

- PC File Systems allow users full control over where files are stored. Users must learn to create and navigate a set of nested folders, how to name files and move them into place and remember where they put their files.
- iPad and Tablet File Systems are sandboxed (i.e. simplified, for ease of use). Each App has a dedicated file storage space that holds the files created or acquired by the App.

PC and iPads
use different storage technologies.



Mac PC Storage Options



Inbuilt

- PRAM – parameter RAM (essential startup data)
- RAM – working memory
- HDD or SSD – applications and user data

Direct Connection

- USB Flash Drive – applications and user data
- USB HDD – applications and user data, backup
- ThunderPort SSD – applications and user data, backup

WiFi or Ethernet Connection

- Network Attached Storage (NAS) – applications, user data, backup
- Cloud Space – applications, user data, backup

iPad

Storage Options



Inbuilt

- RAM – working memory
- Flash RAM – apps and user data

Direct Connection

- PC – transfer of user data from PC to iPad via iTunes, backup
- Camera Connection Kit – photos and movies associated with the Camera app
- Lightning Flash Drive – user data associated with selected apps

WiFi Connection

- PC – user data stored on a local network device associated with selected apps
- NAS Unit – user data stored on a local network device associated with selected apps
- Cloud Space – user data stored in a cloud space associated with selected apps, backup

PC Connection

The USB to Lightning cable supplied with your iPad allows you to connect to a PC via iTunes.

The contents of your iPad can be backed up to the PC.

Files on the PC can be moved to various App storage spaces on the iPad.



Camera Connection Kits



Apple and various manufacturers supply camera connection kits that connect a camera or a memory card to the iPad. Via the Photos App, photos and movies can be organized, edited, imported and exported.

Only photo and movie files can be accessed.

Lightning Flash Drives

SanDisk
iXpand



Lexar C20i JumpDrive



Emtec
iCobra 2



Lightning

iKlips
Apple Lightning
Flash Drive



USB 3.0

These devices connect to PCs via USB 3.0 connectors and to iPads via Lightning connectors
When connected to an iPad, the data stored on them is accessed
via manufacturer supplied iPad Apps.

Limited interchange of data with other compatible iPad Apps may be possible

WiFi Direct-Connect Drives



LaCie Fuel

Seagate
Wireless Plus

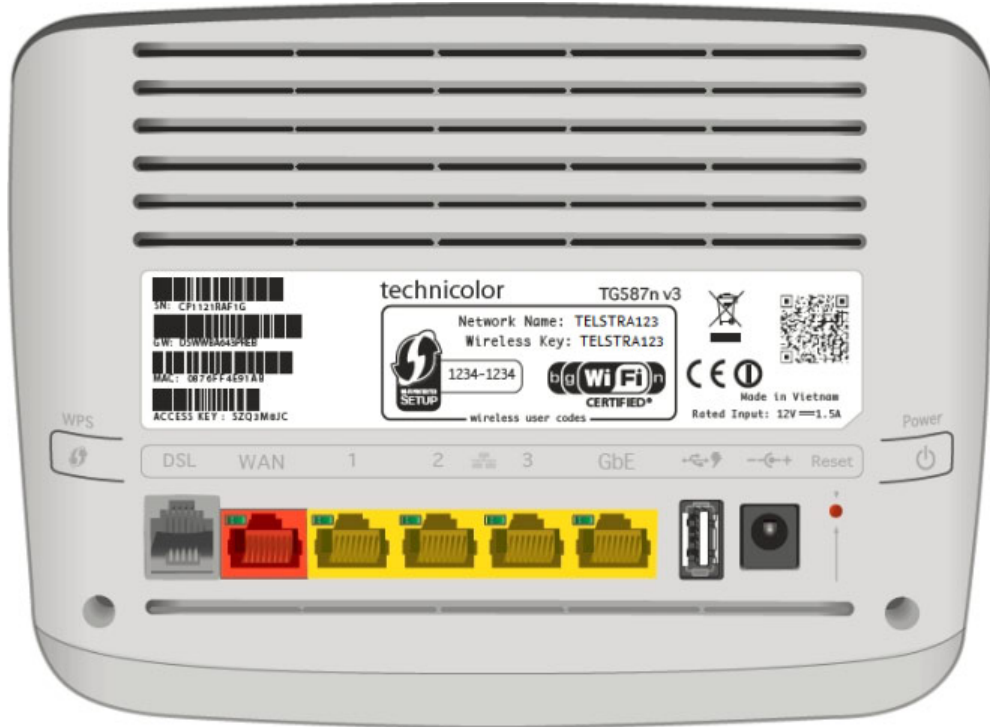


Toshiba Store.E
USB Drive Wireless
Adaptor (Adds
WiFi-Direct connectivity to
An attached USB Hard Drive.)

These external hard disk drive devices and adaptors have inbuilt WiFi transceivers that allow iPads to connect to them wirelessly, without an intermediary WiFi Modem.

The data stored on them is accessed by manufacture supplied iPad Apps and perhaps by other compatible apps.

Local Network Storage Options



WiFi
Modem
Router
Gateway
with USB Port



Ethernet Cable

Network
Accessible
Storage
unit



Some WiFi Modem Router Gateways have USB Ports and inbuilt media and file server capability that allows files stored on an attached USB hard drive to be accessed across the network.

Network Accessible Storage NAS units have multiple hard drives and inbuilt media and file server capability—they connect to a Modem Router Gateway via Ethernet Cable.

iPads connected via WiFi to the same network can access photos, movies, music and docs stored on network hard drives via selected iPad apps.

Cloud Storage Options



Dropbox



OneDrive



iCloud Drive