**FILE SYSTEMS**

* **EXFAT(Extended File Allocation Table)** - file system optimized for flash drives and supports large files over 4GB.
* **FAT(File Allocation Table)** - older file system for older systems and simpler devices.
* **FAT 32** - a version of FAT that supports larger disks and files(up to 4GB). Widely used for USB flash drives and memory cards.
* **NTFS(New Technology File System)** - File system that supports very large files and disks, with advanced features

COMPARISON

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Feature** | **FAT** | **FAT32** | **EXFAT** | **NTFS** |
| ***Max File Size*** | 2GB (FAT16) | 4GB | 16EB | 16EB |
| ***Max Volume Size*** | 2GB | 2TB | 128PB | 16EB |
| ***Compatibility*** | Very high | Very high | High | Limited(Windows-focused) |
| ***Advanced Features*** | None | None | Few | Many |
| ***Performance*** | Moderate | Moderate | High | High |
| ***Usage*** | Older systems, simple devices | USB drives, memory cards | Flash drives, external drives | Windows system drives, large storage systems |