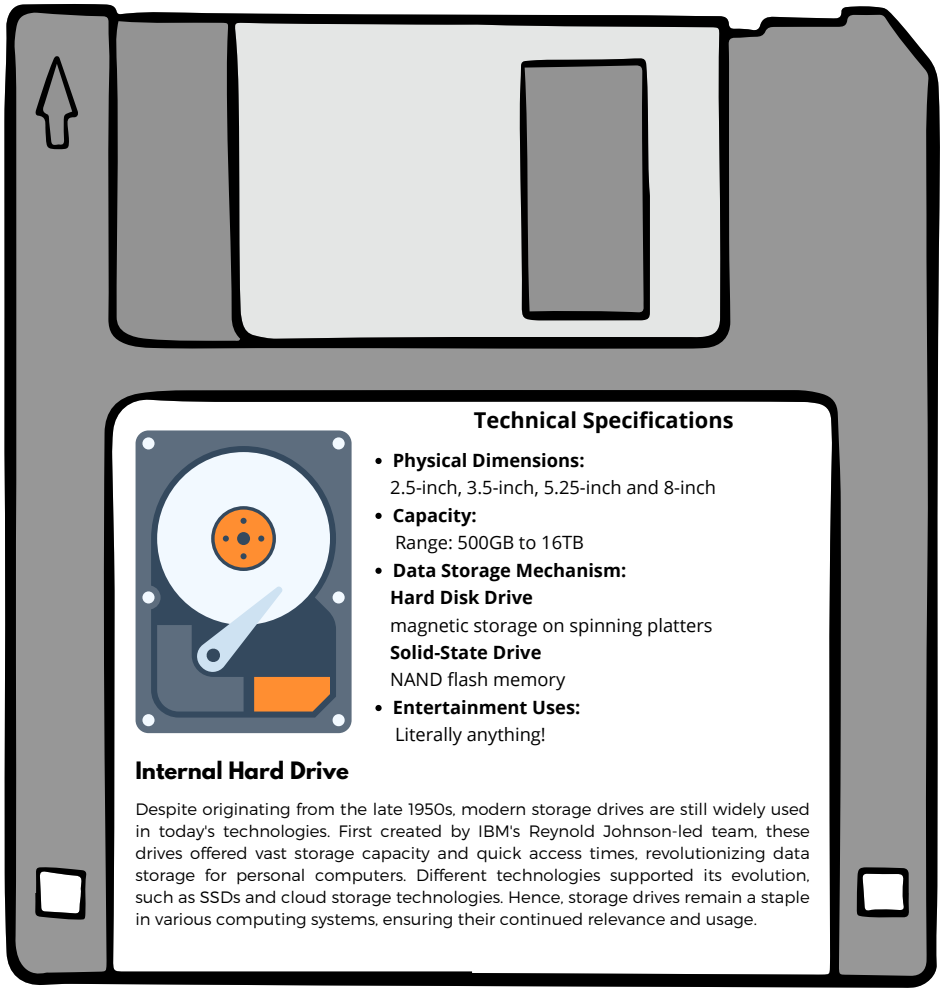
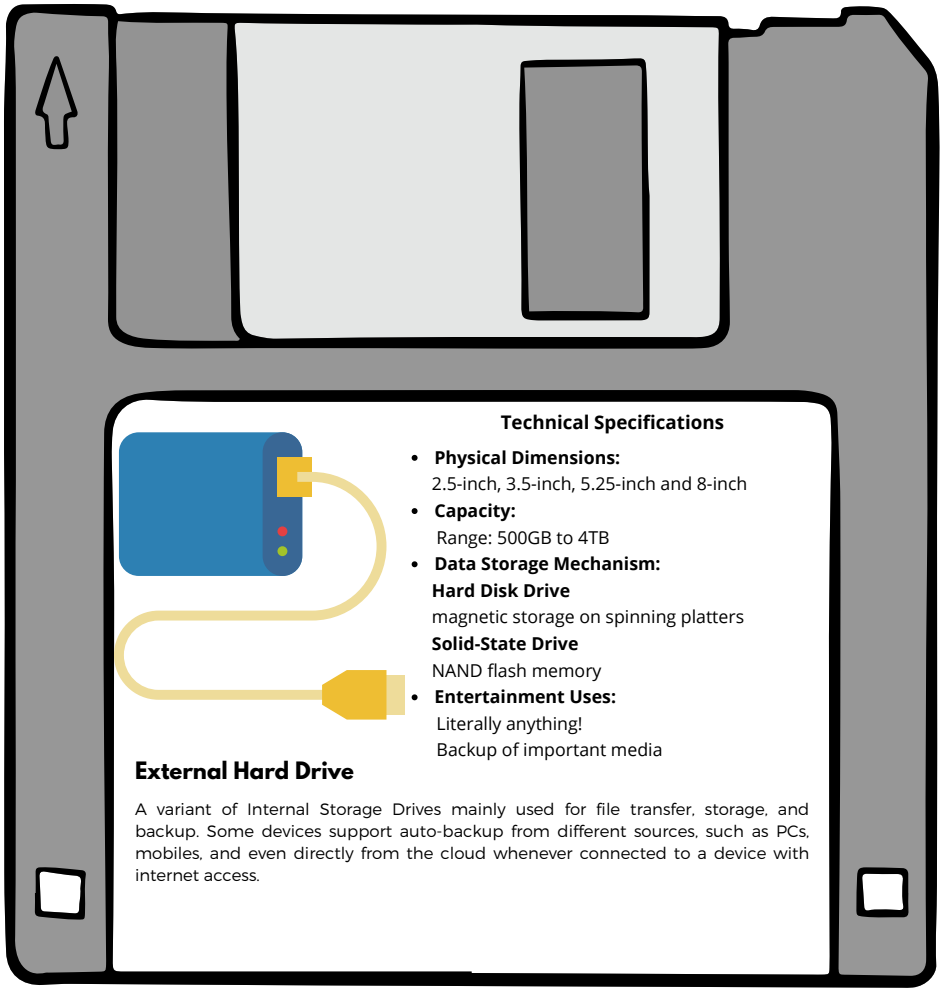


Technical Specifications

- **Physical Dimensions:**
  2.5-inch, 3.5-inch, 5.25-inch and 8-inch
- **Capacity:**
  Range: 500GB to 16TB
- **Data Storage Mechanism:**
  Hard Disk Drive
  magnetic storage on spinning platters
  Solid-State Drive
  NAND flash memory
- **Entertainment Uses:**
  Literally anything!

Internal Hard Drive

Despite originating from the late 1950s, modern storage drives are still widely used in today's technologies. First created by IBM's Reynold Johnson-led team, these drives offered vast storage capacity and quick access times, revolutionizing data storage for personal computers. Different technologies supported its evolution, such as SSDs and cloud storage technologies. Hence, storage drives remain a staple in various computing systems, ensuring their continued relevance and usage.

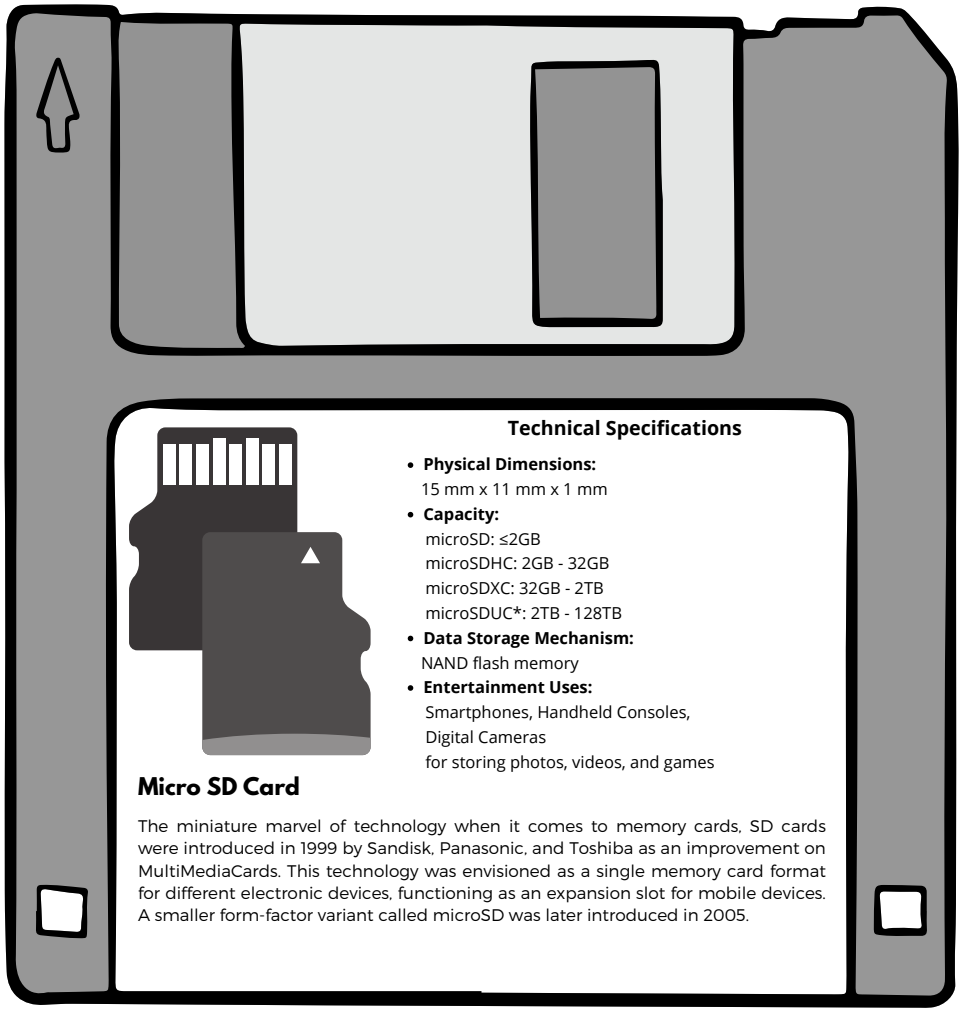


Technical Specifications

- **Physical Dimensions:**
  2.5-inch, 3.5-inch, 5.25-inch and 8-inch
- **Capacity:**
  Range: 500GB to 4TB
- **Data Storage Mechanism:**
  Hard Disk Drive
  magnetic storage on spinning platters
  Solid-State Drive
  NAND flash memory
- **Entertainment Uses:**
  Literally anything!
  Backup of important media

External Hard Drive

A variant of Internal Storage Drives mainly used for file transfer, storage, and backup. Some devices support auto-backup from different sources, such as PCs, mobiles, and even directly from the cloud whenever connected to a device with internet access.

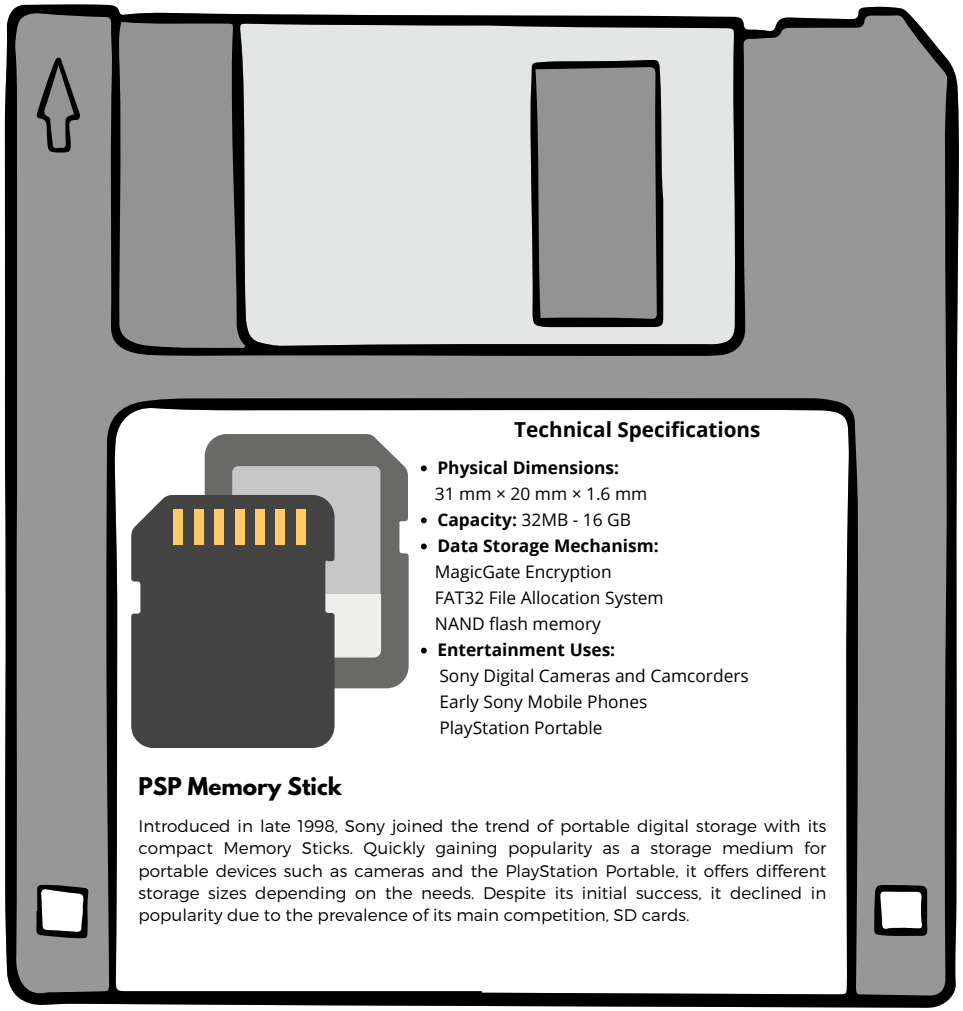


Technical Specifications

- **Physical Dimensions:**
  15 mm x 11 mm x 1 mm
- **Capacity:**
  microSD: ≤2GB
  microSDHC: 2GB - 32GB
  microSDXC: 32GB - 2TB
  microSDUC*: 2TB - 128TB
- **Data Storage Mechanism:**
  NAND flash memory
- **Entertainment Uses:**
  Smartphones, Handheld Consoles,
  Digital Cameras
  for storing photos, videos, and games

Micro SD Card

The miniature marvel of technology when it comes to memory cards, SD cards were introduced in 1999 by Sandisk, Panasonic, and Toshiba as an improvement on MultiMediaCards. This technology was envisioned as a single memory card format for different electronic devices, functioning as an expansion slot for mobile devices. A smaller form-factor variant called microSD was later introduced in 2005.

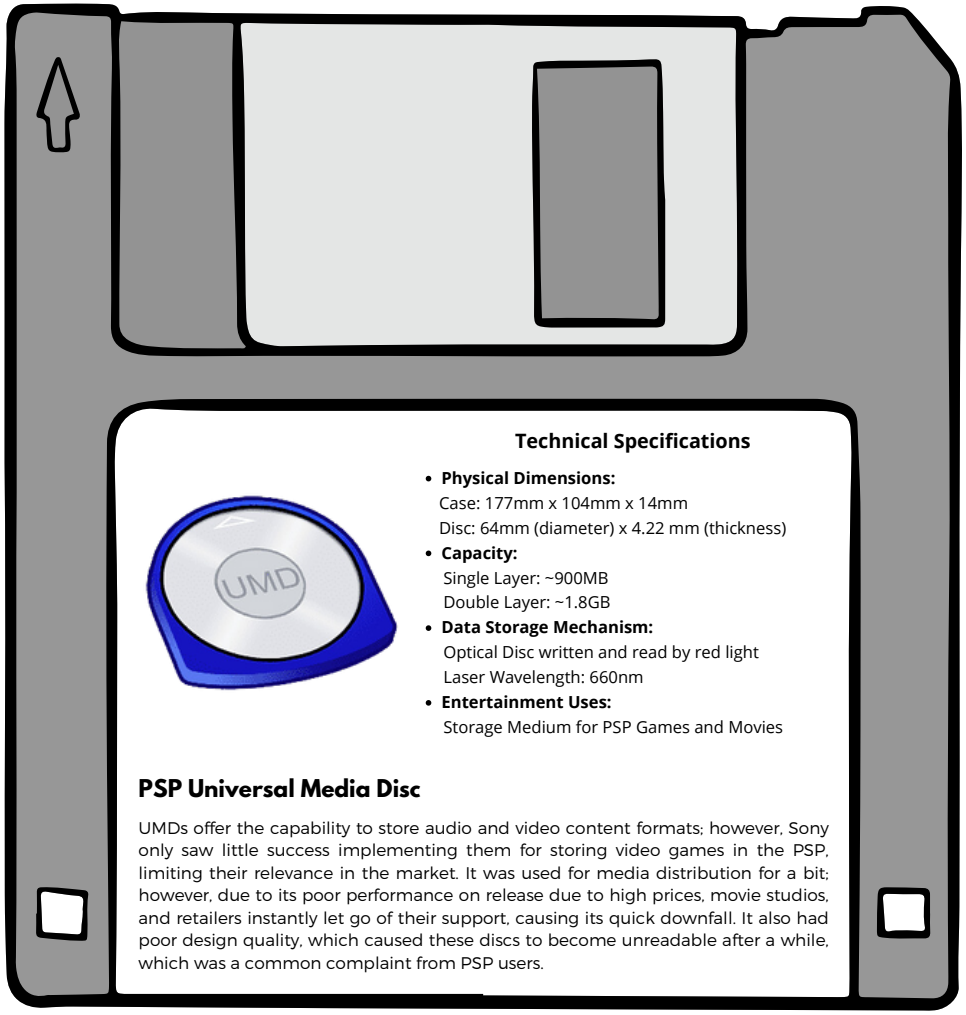


Technical Specifications

- **Physical Dimensions:**
  31 mm × 20 mm × 1.6 mm
- **Capacity:** 32MB - 16 GB
- **Data Storage Mechanism:**
  MagicGate Encryption
  FAT32 File Allocation System
  NAND flash memory
- **Entertainment Uses:**
  Sony Digital Cameras and Camcorders
  Early Sony Mobile Phones
  PlayStation Portable

PSP Memory Stick

Introduced in late 1998, Sony joined the trend of portable digital storage with its compact Memory Sticks. Quickly gaining popularity as a storage medium for portable devices such as cameras and the PlayStation Portable, it offers different storage sizes depending on the needs. Despite its initial success, it declined in popularity due to the prevalence of its main competition, SD cards.

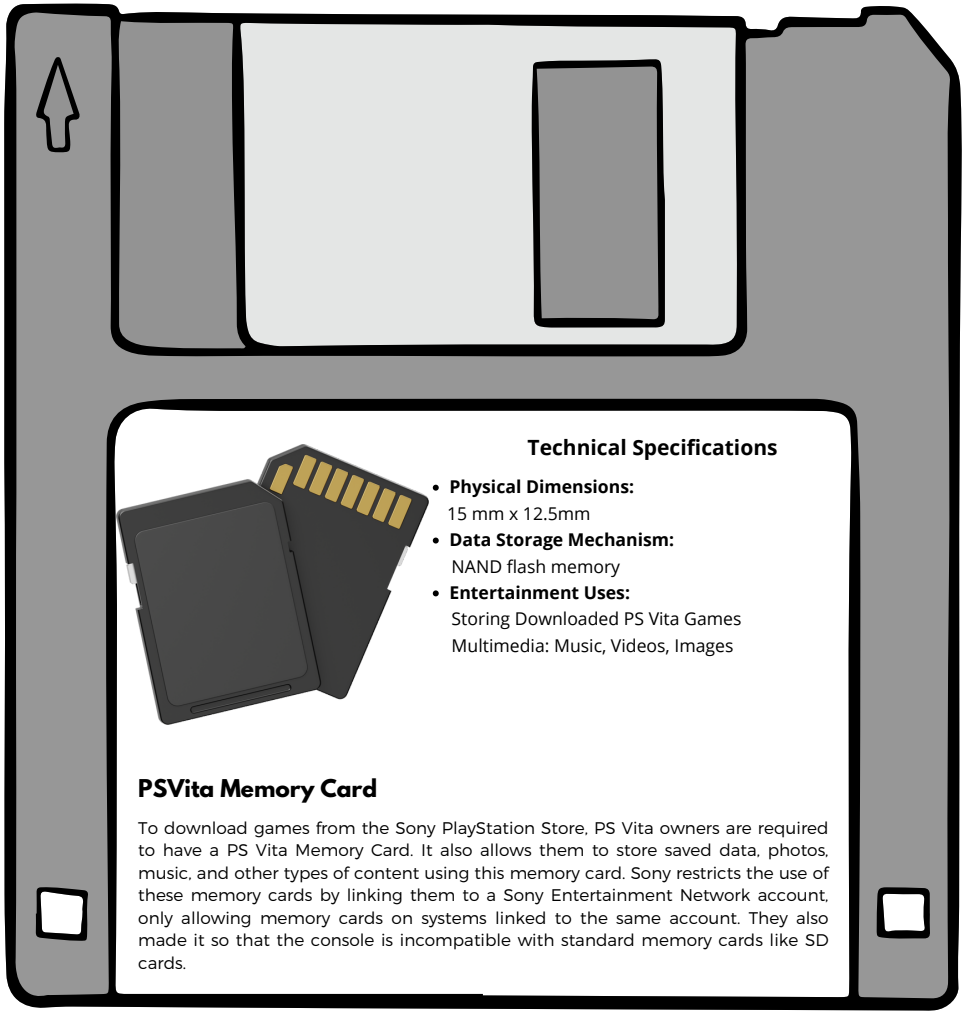


Technical Specifications

- **Physical Dimensions:**
  Case: 177mm x 104mm x 14mm
  Disc: 64mm (diameter) x 4.22 mm (thickness)
- **Capacity:**
  Single Layer: ~900MB
  Double Layer: ~1.8GB
- **Data Storage Mechanism:**
  Optical Disc written and read by red light
  Laser Wavelength: 660nm
- **Entertainment Uses:**
  Storage Medium for PSP Games and Movies

PSP Universal Media Disc

UMDs offer the capability to store audio and video content formats; however, Sony only saw little success implementing them for storing video games in the PSP, limiting their relevance in the market. It was used for media distribution for a bit; however, due to its poor performance on release due to high prices, movie studios, and retailers instantly let go of their support, causing its quick downfall. It also had poor design quality, which caused these discs to become unreadable after a while, which was a common complaint from PSP users.

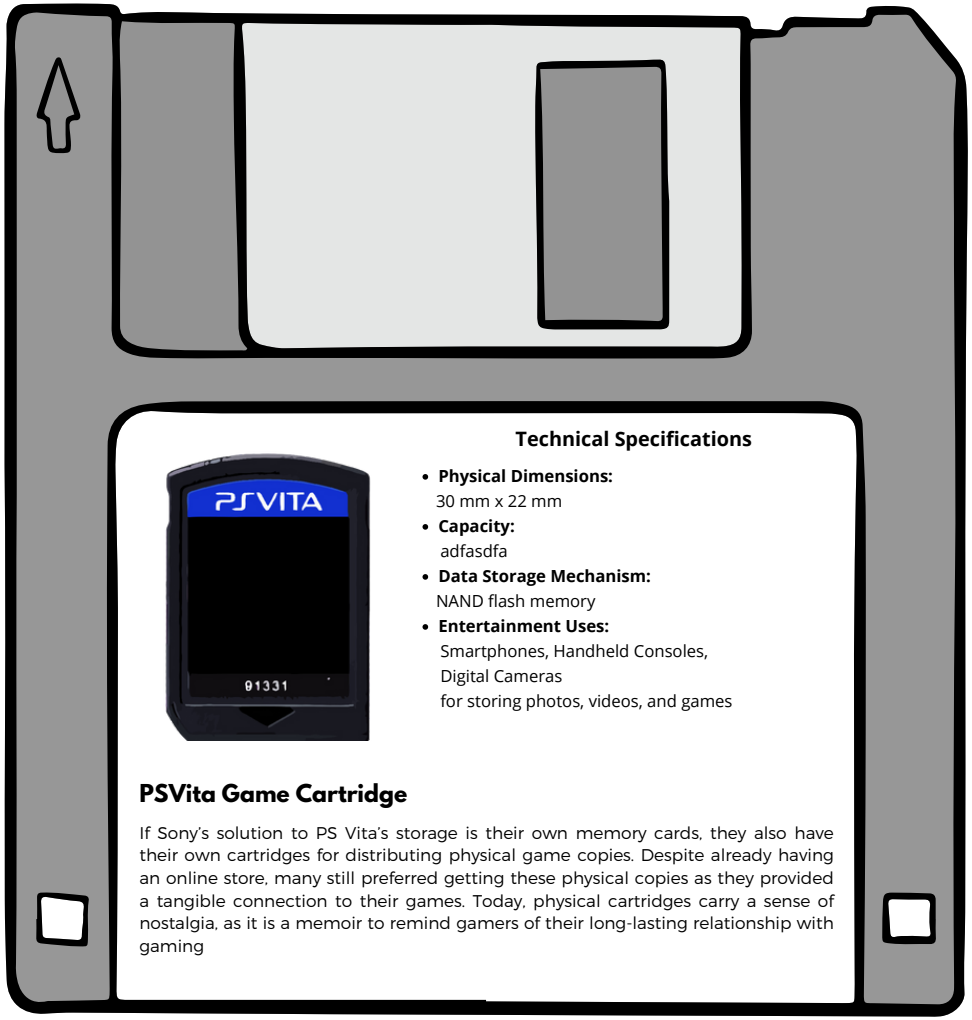


Technical Specifications

- **Physical Dimensions:**
  15 mm x 12.5mm
- **Data Storage Mechanism:**
  NAND flash memory
- **Entertainment Uses:**
  Storing Downloaded PS Vita Games
  Multimedia: Music, Videos, Images

PSVita Memory Card

To download games from the Sony PlayStation Store, PS Vita owners are required to have a PS Vita Memory Card. It also allows them to store saved data, photos, music, and other types of content using this memory card. Sony restricts the use of these memory cards by linking them to a Sony Entertainment Network account, only allowing memory cards on systems linked to the same account. They also made it so that the console is incompatible with standard memory cards like SD cards.

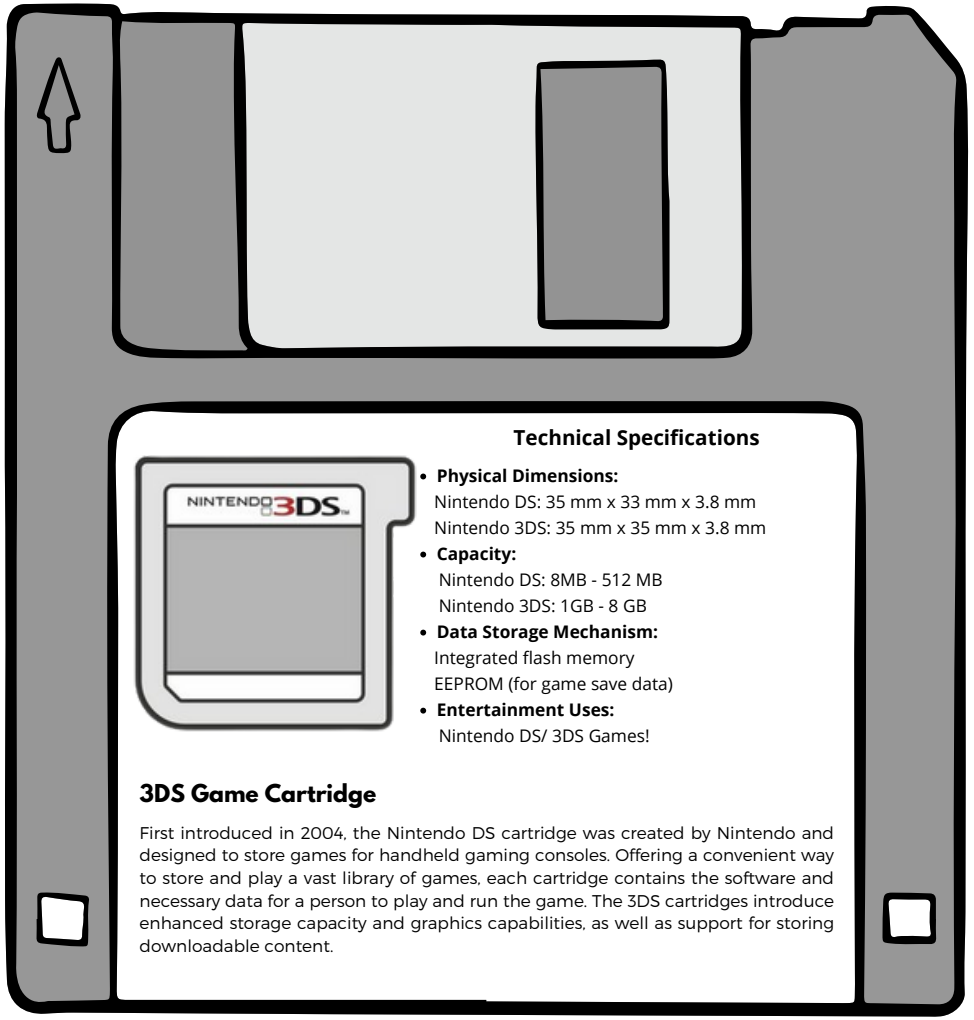


Technical Specifications

- **Physical Dimensions:**
  30 mm x 22 mm
- **Capacity:**
  adfasdfa
- **Data Storage Mechanism:**
  NAND flash memory
- **Entertainment Uses:**
  Smartphones, Handheld Consoles, Digital Cameras for storing photos, videos, and games

PSVita Game Cartridge

If Sony's solution to PS Vita's storage is their own memory cards, they also have their own cartridges for distributing physical game copies. Despite already having an online store, many still preferred getting these physical copies as they provided a tangible connection to their games. Today, physical cartridges carry a sense of nostalgia, as it is a memoir to remind gamers of their long-lasting relationship with gaming

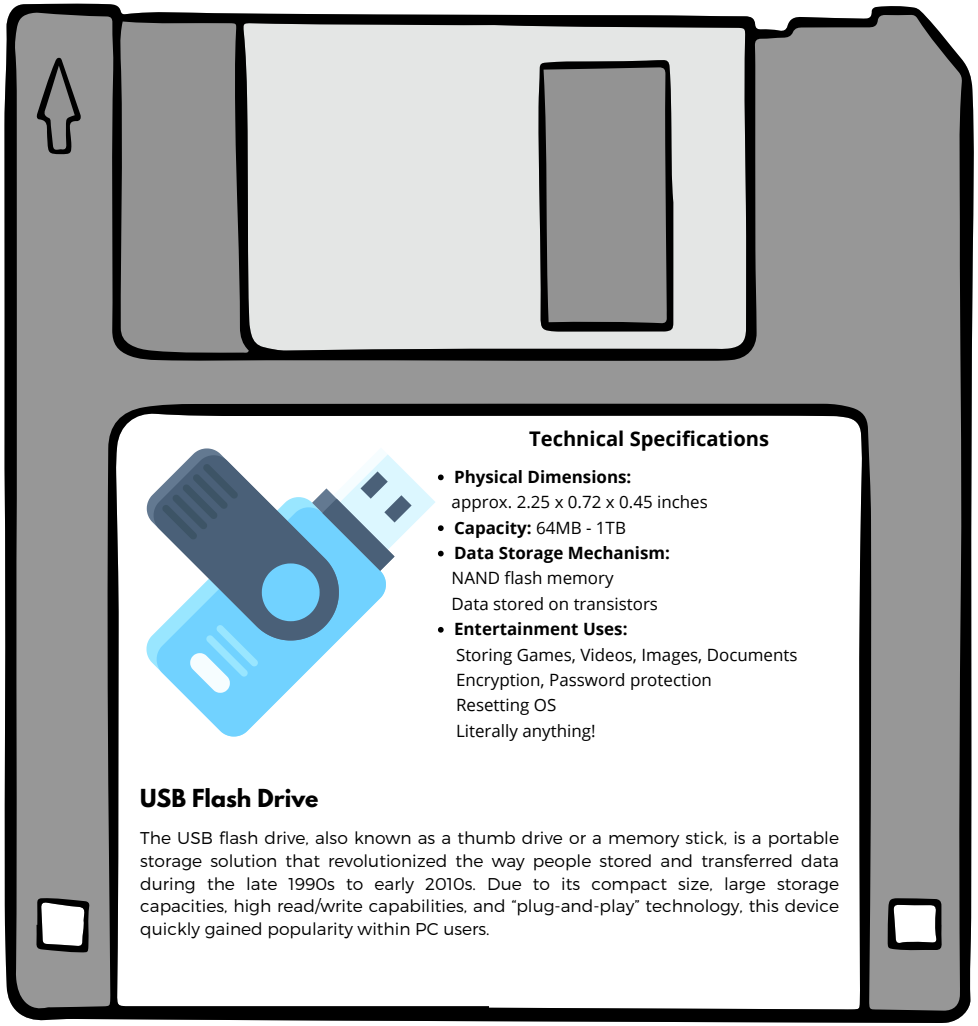


Technical Specifications

- **Physical Dimensions:**
  Nintendo DS: 35 mm x 33 mm x 3.8 mm
  Nintendo 3DS: 35 mm x 35 mm x 3.8 mm
- **Capacity:**
  Nintendo DS: 8MB - 512 MB
  Nintendo 3DS: 1GB - 8 GB
- **Data Storage Mechanism:**
  Integrated flash memory
  EEPROM (for game save data)
- **Entertainment Uses:**
  Nintendo DS/ 3DS Games!

3DS Game Cartridge

First introduced in 2004, the Nintendo DS cartridge was created by Nintendo and designed to store games for handheld gaming consoles. Offering a convenient way to store and play a vast library of games, each cartridge contains the software and necessary data for a person to play and run the game. The 3DS cartridges introduce enhanced storage capacity and graphics capabilities, as well as support for storing downloadable content.

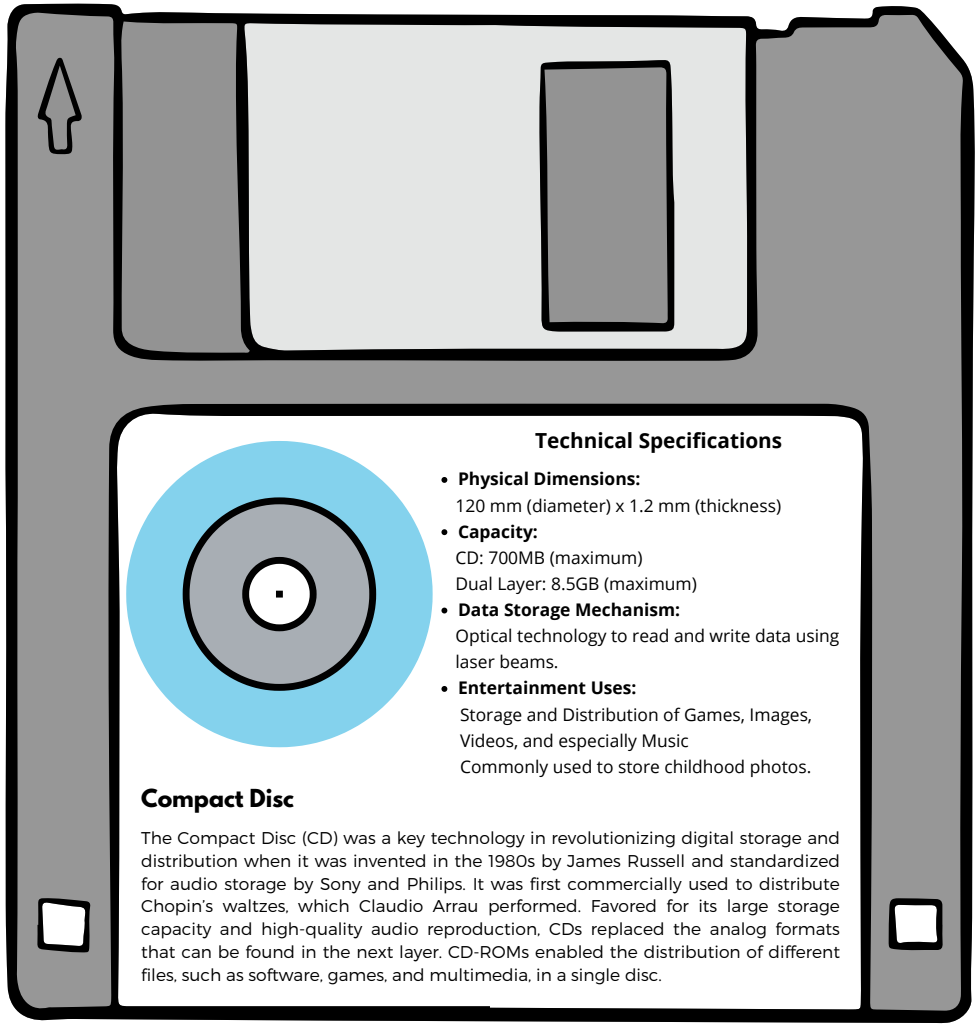


Technical Specifications

- **Physical Dimensions:**
  approx. 2.25 x 0.72 x 0.45 inches
- **Capacity:** 64MB - 1TB
- **Data Storage Mechanism:**
  NAND flash memory
  Data stored on transistors
- **Entertainment Uses:**
  Storing Games, Videos, Images, Documents
  Encryption, Password protection
  Resetting OS
  Literally anything!

USB Flash Drive

The USB flash drive, also known as a thumb drive or a memory stick, is a portable storage solution that revolutionized the way people stored and transferred data during the late 1990s to early 2010s. Due to its compact size, large storage capacities, high read/write capabilities, and "plug-and-play" technology, this device quickly gained popularity within PC users.

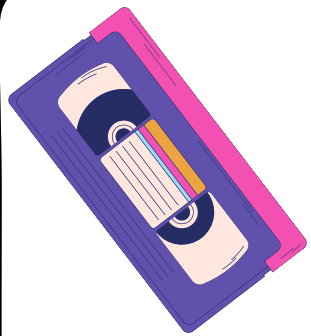


Technical Specifications

- **Physical Dimensions:**
  120 mm (diameter) x 1.2 mm (thickness)
- **Capacity:**
  CD: 700MB (maximum)
  Dual Layer: 8.5GB (maximum)
- **Data Storage Mechanism:**
  Optical technology to read and write data using laser beams.
- **Entertainment Uses:**
  Storage and Distribution of Games, Images, Videos, and especially Music
  Commonly used to store childhood photos.

Compact Disc

The Compact Disc (CD) was a key technology in revolutionizing digital storage and distribution when it was invented in the 1980s by James Russell and standardized for audio storage by Sony and Philips. It was first commercially used to distribute Chopin's waltzes, which Claudio Arrau performed. Favored for its large storage capacity and high-quality audio reproduction, CDs replaced the analog formats that can be found in the next layer. CD-ROMs enabled the distribution of different files, such as software, games, and multimedia, in a single disc.



Technical Specifications

- **Physical Dimensions:**
  18 cm x 10.2 cm x 2.5 cm
- **Capacity:**
  8.3GB - 2 Hours of Recording
  12GB (High Grade) - 4 Hours of Recording
- **Data Storage Mechanism:**
  Analog Magnetic Tape Format
  Helical scan for recording
- **Entertainment Uses:**
  Movie Films, Movie Rental,
  Recording Television Programs

VHS Tape

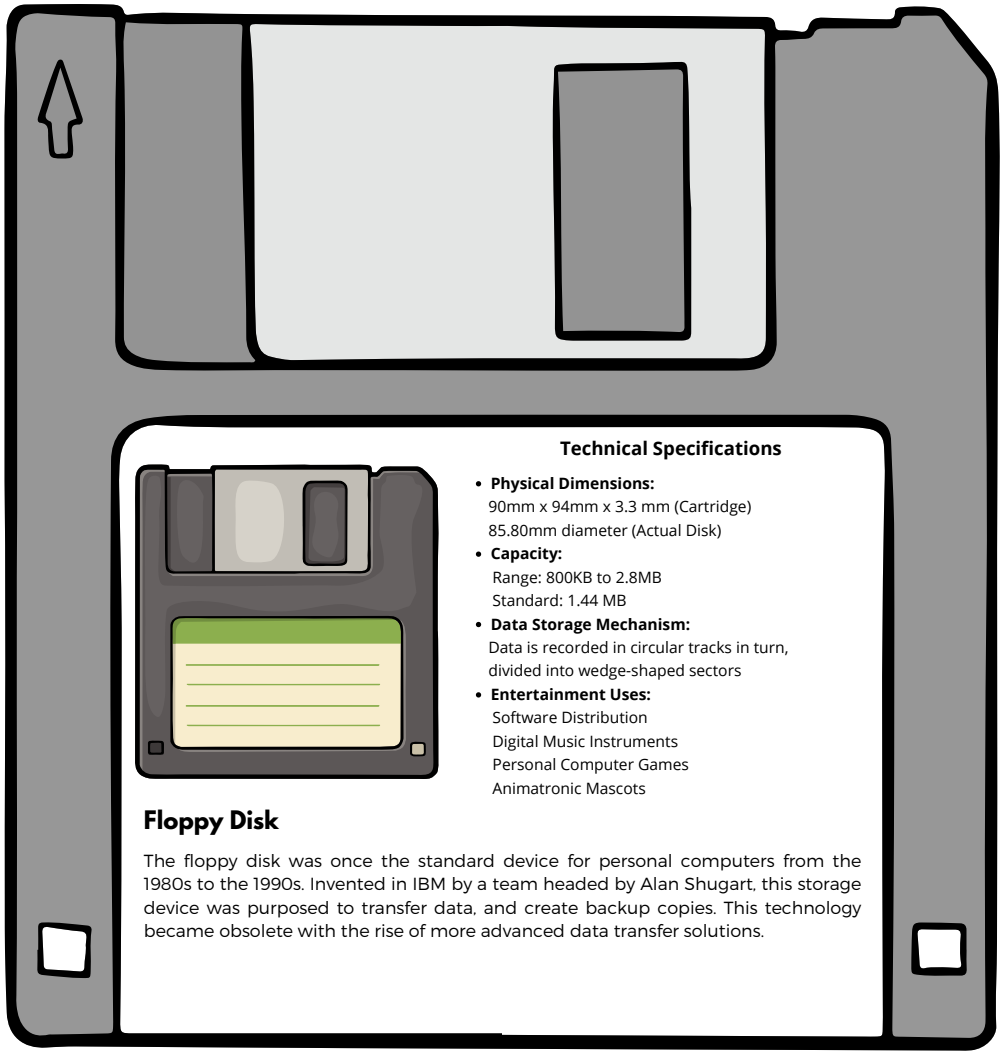
An engineering team of Victor Company of Japan (JVC), led by Shizuo Takano and Yuma Shiraishi, developed the Video Home System (VHS) format in 1971. The VHS was the first widely used technology that made watching movies at home easy instead of going to the cinema. This technology allowed users to record TV programs for future viewing, and it has become the go-to format for home video recording and watching.

Technical Specifications

- **Physical Dimensions:**
  10 cm x 6.3 cm x 1.3 cm
- **Capacity:** (Measured in minutes of total playing)
  C10, C12, C15 (Early Home Computers)
  C60, C90, C120 (Song/Album Recordings)
- **Data Storage Mechanism:**
  Analog Magnetic Tape Recording
  Polyester-type Plastic Film with Magnetic Coating
- **Entertainment Uses:**
  Early Home Computers
  Recording Telephone Calls, Radio Programs
  Recording, Sharing, and Listening to Music

Cassette Tape

The Cassette tape is an analog magnetic tape recording format mainly used for audio recording and playback. Invented by a team in Philips led by Lou Ottens, they released this technology in August 1963. Cassettes come in two forms: pre-recorded audio, commonly called Musicassette, and blank cassettes for recording audio. Its unique structure allows the user to reverse the tape to play a different track list or more space for recording.



Technical Specifications

- **Physical Dimensions:**
  90mm x 94mm x 3.3 mm (Cartridge)
  85.80mm diameter (Actual Disk)
- **Capacity:**
  Range: 800KB to 2.8MB
  Standard: 1.44 MB
- **Data Storage Mechanism:**
  Data is recorded in circular tracks in turn, divided into wedge-shaped sectors
- **Entertainment Uses:**
  Software Distribution
  Digital Music Instruments
  Personal Computer Games
  Animatronic Mascots

Floppy Disk

The floppy disk was once the standard device for personal computers from the 1980s to the 1990s. Invented in IBM by a team headed by Alan Shugart, this storage device was purposed to transfer data, and create backup copies. This technology became obsolete with the rise of more advanced data transfer solutions.

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