

eSOL's PrFILE®2 exFAT File System Adopted as the Data Management Software for the Nintendo Switch 2



Tokyo, Japan, 19 December 2025 – eSOL, a leading developer of real-time embedded software solutions, is pleased to announce that its PrFILE®2 exFAT file system has been adopted for use as a data management software in the Nintendo Switch 2™, a game console developed by Nintendo Co., Ltd. PrFILE 2 exFAT is optimized for large storage media exceeding 32GB and provides high-speed file access functions for reading and writing of data on micro SD cards. This adoption follows its use in the Nintendo Switch™ (2017) and Nintendo Switch Lite (2019).

The PrFILE2 exFAT file system supports FAT12, FAT16, FAT32 and exFAT. It can handle large files at high speed, including video, music, or photographs stored on high-capacity devices such as USB memory sticks or external hard disks that are too large for the legacy FAT32 file system. It also features numerous functions demanded by digital cameras and other consumer electronic devices, such as a rapid reverse-seek function for file pointers that is essential for features like high-speed rewind and functions for keeping damage to the file system to a minimum in the event of a disconnection of the power supply or memory device, while still retaining the features of FAT12, FAT16, FAT32, and file systems supporting VFAT (long filenames). It also provides support for the requirements of products designed for international markets, including multilingual support, dynamic switching of text codes and a Unicode support option.

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For Reference

For more information about Nintendo Switch 2: <https://www.nintendo.com/us/gaming-systems/switch-2/features/>

Nintendo web site: <https://www.nintendo.com/us/>

Case studies of eSOL product users: https://www.esol.com/successstory/rtos_middleware.html

For more information about PrFILE2 exFAT: <https://www.esol.com/embedded/product/prfile2-exfat.html>

Past Adaption Records (Press Releases)



eSOL's FAT File System is Selected for Wii U https://www.esol.com/press/press_4.html
Nintendo Switch Game Console Adopts eSOL μ TRON 4.0-Compliant RTOS and exFAT File System
https://www.esol.com/press/press_57.html
eSOL's PrFILE®2 exFAT File System Adopted in Nintendo Switch Lite https://www.esol.com/press/press_85.html

About eSOL Co., Ltd.

eSOL is a world-class Full Stack Engineering company to realize the Cyber-Physical Society for the people using its innovative computer technologies. eSOL's high-performance and scalable software platform products and first-class professional services, centered around its unique and patented eMCOS® multikernel real-time operating system (RTOS) technology, are used worldwide in demanding embedded application fields that conform to stringent quality, safety, and security standards. This includes automotive systems, industrial equipment, satellites, medical and digital consumer electronics. In addition to the research and development of its leading-edge products, and joint research with major manufacturers and universities, eSOL is actively engaged in AUTOSAR, Autoware, and multi/many-core technology standardization activities. eSOL was founded in 1975 and is listed on the Standard Market of the Tokyo Stock Exchange (TSE: 4420).

For more information, please visit: <https://www.esol.com/>

* Nintendo Switch and Nintendo Switch 2 are trademarks of Nintendo.

* Autoware is an open-source software built on ROS/ROS 2 for autonomous driving.

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