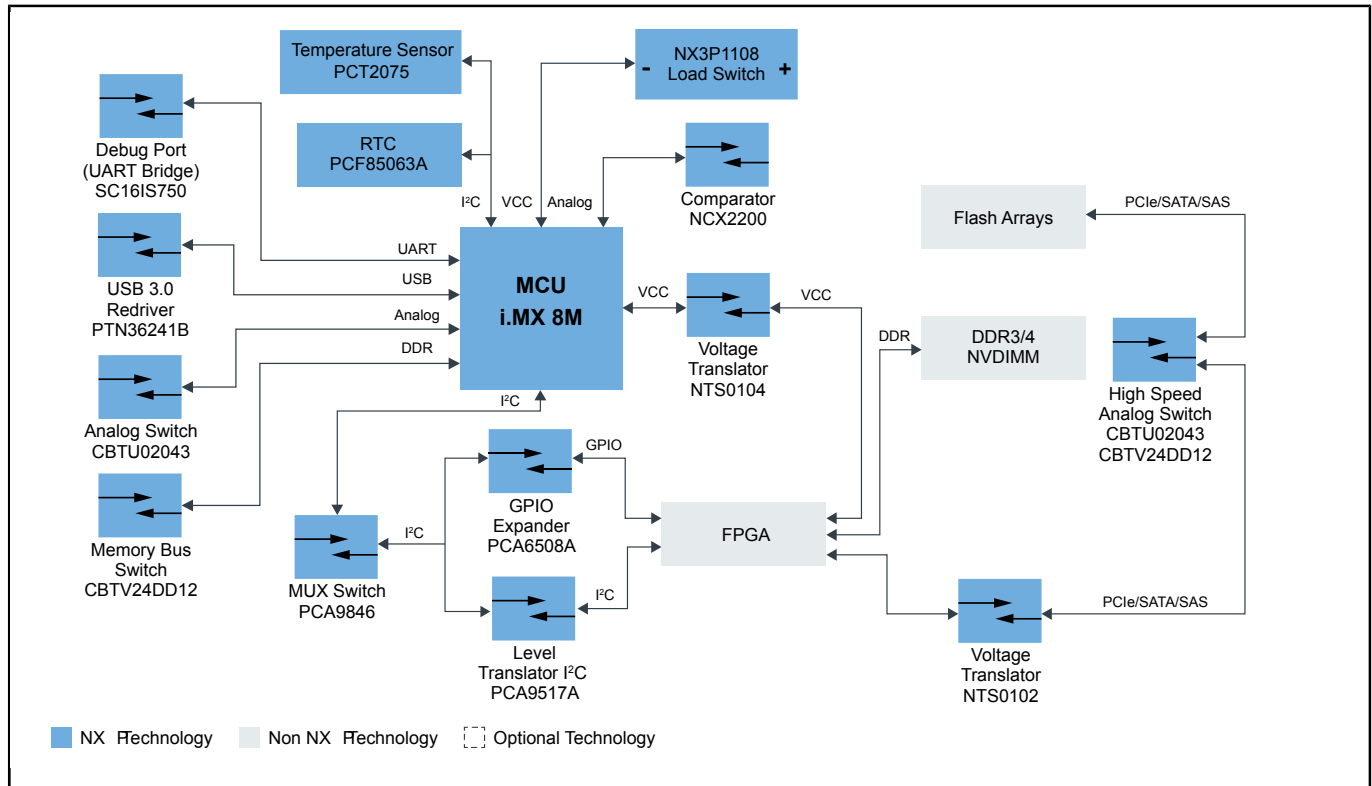# Based Storage System

BASED-STORAGE-SYSTEM

Last Updated: Apr 23, 2024

NXP Based Storage System is based on the i.MX 8M processor that provides excellent Performance as MPU, which can communicate with other devices through USB 3.0, PCIe, SATA, I2C, DDR3, and DDR4, This implementation of a Based Storage System can be used for storing multiple files and other types of digital information such as photos, music, documents, etc.

Based Storage System Block Diagram

Based Storage System Block Diagram showing interconnections between components including:
- Temperature Sensor PCT2075
- NX3P1108 Load Switch
- Debug Port (UART Bridge) SC16IS750
- RTC PCF85063A
- Comparator NCX2200
- Flash Arrays
- USB 3.0 Redriver PTN36241B
- MCU i.MX 8M
- Voltage Translator NTS0104
- DDR3/4 NVDIMM
- High Speed Analog Switch CBTU02043 CBTV24DD12
- Analog Switch CBTU02043
- GPIO Expander PCA6508A
- Memory Bus Switch CBTV24DD12
- FPGA
- MUX Switch PCA9846
- Level Translator I²C PCA9517A
- Voltage Translator NTS0102

Legend: NX Technology (blue), Non NX Technology (gray), Optional Technology (dashed)

View additional information for Based Storage System.

Note: The information on this document is subject to change without notice.