

SPI NOR Flash Product Line

Zbit Semiconductor, Inc. - Product Specifications Summary

Product Line Overview

Zbit Semiconductor provides high-reliability, low-power Flash memory with universal SPI interfaces, covering capacities from 1Mbit to 512Mbit.

Main Series and Voltage

Series	Voltage (VCC)	Features
ZB25LD / ZB25LQ	1.65V - 1.95V (1.8V)	Low voltage, ultra-low power consumption
ZB25VQ / ZB25D	2.3V - 3.6V (3.0V)	Standard voltage, high performance
ZB25WD / ZB25WQ	1.65V - 3.6V	Wide voltage range, multi-platform compatibility

Key Technical Specifications

- **Density Range:** 1Mbit - 512Mbit
 - **Static Current:** As low as 1uA
- **Data Retention:** 20 years
 - **Endurance:** 100,000 program/erase cycles
- **Operating Temp:** -40°C to 105°C
 - **Interface Support:** Standard SPI, Dual SPI, Quad SPI, QPI, DTR

Package Options

SOP8 (150mil/208mil), USON8 (2x3mm/3x4mm), WSON8 (5x6mm/6x8mm), TFBGA24, TSSOP8, etc.
