

# GigaDevice Launches Industry's Smallest USON8 Package for Its Wide Voltage Range and Low Power SPI NOR Flash Series

*GD25WDxxCK SPI NOR Flash series features wide voltage range and low power consumption, supports the smallest 1.5mm x 1.5mm USON8 package in the industry, provides flexible design capability for IoT, wearable and other battery operated applications.*

**Beijing, China (January 24, 2019)** – GigaDevice, a leading provider of non-volatile memory and 32-bit microcontroller solutions, today announced the mass production status for the new SPI NOR Flash series, GD25WDxxCK. This new product family is designed with reduced power consumption under 1.65V to 3.6V supply voltage, and encapsulated in the industry's smallest 1.5mm x 1.5mm USON8 molding type packages. As an effective complement to GigaDevice's market proven 1.8V, 2.5V, and 3.0V SPI NOR Flash product lines, the new wide voltage range and ultra-small form factor product series further enriches GigaDevice's Flash Memory product portfolio, offering excellent design capability and flexibility for the IoT, wearable, consumer and healthcare applications that demand longer battery life and compact physical dimensions.

“With the development of emerging applications, especially in the battery powered sector, manufacturers are constantly trying to reduce the power consumption and the overall size of their products,” said Mike Chen, Senior Director of GigaDevice Flash Memory Product Marketing, “As compared to the existing products with 3mm x 2mm USON8 packages, the new GD25WDxxCK series has reached an unprecedented 1.5mm x 1.5mm dimension, providing more than 60% reduction in space. Its 1.65V to 3.6V wide operating voltage range, combined with 0.1μA typical standby current, will significantly extend the battery life by about 20% to 30%. GD25WDxxCK family is an ideal solution for compact-sized, energy-saving product designs.”

## GD25WDxxCK Product Highlights

- 65V to 3.6V Wide Operating Voltage Range
- Single, Dual I/O SPI Modes
- 512Kb to 8Mb Density Options
- Industry Smallest 1.5mm x 1.5mm USON8 Package (0.5mm Height)
- Operating Frequency up to 100MHz

- Low power Consumption:
  - Zero Standby Current (0.1 $\mu$ A typical)
  - Low Read Current (Less than 3mA at 40MHz)
- Advanced Security Feature:
  - Factory Preset 128-bit Unique ID
- Extended Operating Temperature Range:
  - -40°C to 85°C, -40°C to 105°C, -40°C to 125°C