



1.8V GD25LE Series Low Power SPI NOR Flash

The GigaDevice GD25LE series is an innovative line of 1.8V low-power SPI NOR Flash products. Compared to traditional 1.8V products, the LE series significantly lowers sleep power consumption by 80% and read power consumption by 50%. This efficiency makes it particularly ideal for smart wearables, health monitoring devices, IoT applications, and other battery-operated gadgets, thereby reducing overall power consumption and extending battery life. Additionally, the GD25LE series supports wafer-level packaging, providing enhanced design flexibility for compact solutions.

Main Features



1.65V
~
2.0V



Deep Power-Down
current only 0.2μA



Single
Dual
Quad
DTR



Read current
only 4mA



Program current
8mA



4Mb
~
256Mb



USON
WSON
WLCSP
packages

GD25LE Product

Voltage	Density	Part No.	Frequency	Key Feature	Packages
1.65V~2.0V	4Mb	GD25LE40E	133MHz (x1,x2,x4)	STR, Low Power	USON8 1.5x1.5mm
	8Mb	GD25LE80E	133MHz (x1,x2,x4)	STR, Low Power	USON8 3x2mm WLCSP
	16Mb	GD25LE16E	133MHz (x1,x2,x4)	STR, Low Power	USON8 3x2mm WLCSP
	32Mb	GD25LE32E	133MHz (x1,x2,x4)	STR, Low Power	USON8 3x2mm WLCSP
	32Mb	GD25LE32H*	166MHz (x1,x2,x4), 104MHz (DTR)	STR, DTR, Low Power	USON8 3x2mm WLCSP
	64Mb	GD25LE64E	133MHz (x1,x2,x4)	STR, Low Power	FO-USON8 3x2mm USON8 3x4mm WLCSP
	64Mb	GD25LE64H*	166MHz (x1,x2,x4), 104MHz (DTR)	STR, DTR, Low Power	USON8 3x4mm WLCSP
	128Mb	GD25LE128E	133MHz (x1,x2,x4)	STR, Low Power	FO-USON8 3x3mm WSON8 6x5mm WLCSP
	128Mb	GD25LE128H*	166MHz (x1,x2,x4), 104MHz (DTR)	STR, DTR, Low Power	SOP8 150mil WSON8 6x5mm WLCSP
	256Mb	GD25LE256H	166MHz (x1,x2,x4), 104MHz (DTR)	STR, DTR, Low Power	WSON8 6x5mm WLCSP

* Indicates that this product is under development. Please consult your sales representative for more information.

