



High Performance Quad & Octal SPI NOR Flash



Quad LT/T Product Series

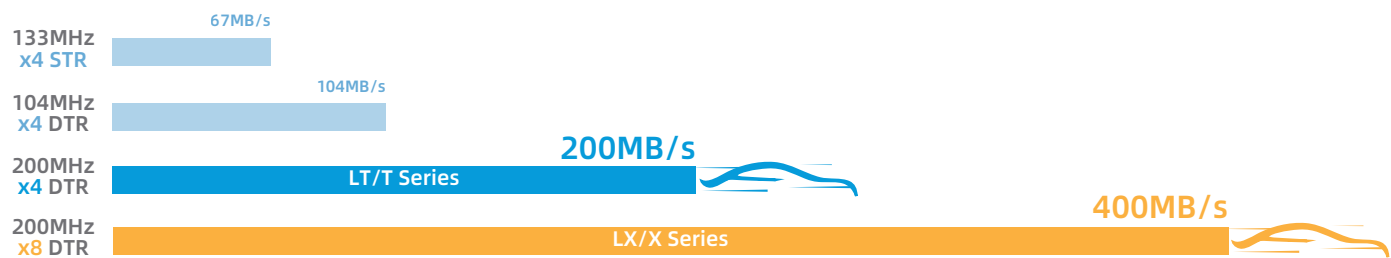
- ◆ 1.8V 64Mb~2Gb, 3V 512Mb~2Gb
- ◆ Single SPI & Quad DTR SPI interface
- ◆ Compatible with Quad SPI command set
- ◆ High read performance with 200MB/s data throughput rate
- ◆ Support "Execute-In-Place" (XIP)
- ◆ DQS and DLP features improve high speed performance
- ◆ ECC and CRC features improve reliability and I/O integrity
- ◆ Standard TFBGA24, SOP16, WSON8 packages



Octal LX/X Product Series

- ◆ 1.8V 64Mb~2Gb, 3V 512Mb~2Gb
- ◆ Single SPI & Octal DTR SPI interface
- ◆ Compatible with JEDEC xSPI standard
- ◆ Xccela™ Flash Consortium Member
- ◆ High read performance with 400MB/s data throughput rate
- ◆ Support "Execute-In-Place" (XIP)
- ◆ DQS and DLP features improve high speed performance
- ◆ ECC and CRC features improve reliability and I/O integrity
- ◆ Standard TFBGA24, SOP16, and WLCSP packages

Significantly Improve Read Performance



Quad LT/T Products

Voltage	Density	Part No.
1.65V~2.0V	64Mb	GD25LT64J
	128Mb	GD25LT128J
	256Mb	GD25LT256E
	512Mb	GD25LT512ME
	1Gb	GD55LT01GE
	2Gb	GD55LT02GE
2.7V~3.6V	512Mb	GD25T512ME
	1Gb	GD55T01GE
	2Gb	GD55T02GE

Octal LX/X Products

Voltage	Density	Part No.
1.65V~2.0V	64Mb	GD25LX64J
	128Mb	GD25LX128J
	256Mb	GD25LX256E
	512Mb	GD25LX512ME
	1Gb	GD55LX01GE
	2Gb	GD55LX02GE
2.7V~3.6V	512Mb	GD25X512ME
	1Gb	GD55X01GE
	2Gb	GD55X02GE



Ultra-Low Power, Wide Vcc SPI NOR Flash

The GigaDevice GD25Wx Series is an ultra-low power SPI NOR Flash memory with a wide Vcc range, ideal for wearables, IoT and battery-operated applications.

Main Features



1.65V
~
3.6V



Deep
Power-Down
Current only
0.1uA



Single
Dual
Quad
SPI Mode



Read current
1.2mA



Program current
7mA



512Kb
~
256Mb



USON & SOP
Package

Wide Vcc Products

Voltage	Density	Part No.	Frequency (MHz)	Packages	Temperature
1.65V~3.6V	512Kb	GD25WD05E	104 (x1), 80 (x2)	SOP8 150mil, USON8 1.5x1.5mm, USON8 3x2mm, USON6 1.2x1.2mm	-40°C~+85°C -40°C~+105°C -40°C~+125°C
	1Mb	GD25WD10E	104 (x1), 80 (x2)	SOP8 150mil, USON8 1.5x1.5mm, USON8 3x2mm, USON6 1.2x1.2mm	
	2Mb	GD25WD20E	104 (x1), 80 (x2)	SOP8 150mil, USON8 1.5x1.5mm, USON8 3x2mm, USON6 1.2x1.2mm	
	2Mb	GD25WQ20E	104 (x1 x2 x4)	SOP8 150mil, USON8 1.5x1.5mm, USON8 3x2mm	
	4Mb	GD25WD40E	104 (x1), 80 (x2)	SOP8 150mil, USON8 1.5x1.5mm, USON8 3x2mm, USON6 1.2x1.2mm	
	4Mb	GD25WQ40E	104 (x1 x2 x4)	SOP8 150mil, USON8 1.5x1.5mm, USON8 3x2mm, WLCSP	
	8Mb	GD25WD80E	104 (x1), 80 (x2)	SOP8 150mil, USON8 1.5x1.5mm, USON8 3x2mm	
	8Mb	GD25WQ80E	104 (x1 x2 x4)	SOP8 150mil, SOP8 208mil, USON8 3x2mm	
	16Mb	GD25WQ16E	104 (x1 x2 x4)	SOP8 150mil, SOP8 208mil, USON8 3x2mm	
	32Mb	GD25WQ32E	104 (x1 x2 x4)	SOP8 150mil, SOP8 208mil, USON8 3x2mm, USON8 3x4mm	
	64Mb	GD25WQ64H	104 (x1 x2 x4)	SOP8 150mil, SOP8 208mil, FO-USON8 3x2mm, USON8 3x4mm, USON8 4x4mm, WSON8 6x5mm	
	128Mb	GD25WQ128H	104 (x1 x2 x4)	SOP8 150mil, SOP8 208mil, USON8 3x4mm, USON8 4x4mm, WSON8 6x5mm, WSON8 8x6mm	
	256Mb	GD25WB256E	104 (x1 x2 x4)	WSON8 6x5mm, WSON8 8x6mm, TFBGA24 8x6mm (5x5 ball array)	