

**Product**

Mobile DRAM

Specialty DRAM

■ **Code Storage Flash Memory**

▸ **Serial NOR Flash**

▸ Parallel NOR Flash

▸ Serial NAND Flash

▸ SLC NAND Flash

▸ Authentication Flash

▸ KGD

Where to buy

Product Selection Guide

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**W25R128FV**

128M-bit Serial Flash Memory with uniform 4KB sectors and Dual/Quad SPI and QPI

■ **Features**

Single/Dual/Quad SPI and QPI operation  
Replay-Protected Monotonic Counter (RPMC)  
Uniform 4KB erasable sectors & 32KB/64KB erasable blocks  
65,536 pages (256 bytes), page program in 0.7mS (typ.)  
Continuous Read with 8/16/32/64 BByte Wrap  
Quad Peripheral interface (QPI) reduces instruction overhead  
Clock operation up to 104MHz (208/416MHz equivalent with Dual/Quad I/O Read)  
2.7 to 3.6V power supply  
4mA active read current, 1μA power down current  
-40° to +85°C operating range  
Program/Erase Suspend/Resume, Suspend Status Bit  
Factory-programmed unique ID  
Electronic ID with Dual/Quad I/O, Hardware and software write protection for top or bottom blocks  
Volatile & Non-volatile Status Register Bits  
Lock-Down and OTP protection  
Serial Flash Discoverable Parameters (SFDP)  
3X256byte Security Registers with OTP locks  
Complement Array Protection Bit  
Individual Block/Sector Write Protection  
Software Reset & configurable hardware/RESET pin  
Programmable output driver strength

■ **Package**

SOIC8 208mil, SOIC16300mil, WSON 6X5mm, PDIP8 300mil, TFBGA24 6X8mm (4x6 Matrix), TFBGA24 6X8mm (5x5 Matrix), VSOP 208mil

