

HOME > Product > Code Storage Flash Memory > SpiStack Flash



## W25M161AW

16Mb serial NOR and 1Gb serial NAND are assembled with single 8-pin package which NOR is default selected after power up. Easily boot up from NOR. Continuous Read Mode is default for NAND and Qual Read is default for NOR.

### • Features

#### [NOR]

- Single/Dual/Quad SPI and QPI operation
- Uniform 4KB erasable sectors & 32KB/64KB erasable blocks
- 8,194 pages (256 bytes), page program in 0.7mS (typ.)
- Continuous Read with 8/16/32/64 Byte Wrap
- Clock operation up to 104MHz (208/416MHz equivalent with Dual/Quad I/O Read)
- 1.65 to 1.95V 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
- Lock-Down and OTP protection
- 4X256byte Security Registers with OTP locks
- Complement Array Protection Bit
- individual Block/Sector Write Protection
- Software Reset
- Programmable output driver strength

#### [NAND]

- Vcc: 2.7V to 3.6V
- Bus width: x1/x2/x4
- Operating temperature: Industrial: -40°C to 85°C
- Single-Level Cell (SLC) Technology
- Density: 1G-bit/128M-byte
- Page size: 2,112 bytes (2048 + 64 bytes)
- Block size: 64 pages (128K + 4K bytes)
- Page read with ECC enable: 50us
- SPI clocks: 104MHz
- Page program time: 250us(typ.)
- Block erase time: 2ms(typ.)
- Support OTP memory area

### Package

WSON8 8x6, SOIC16 300mil



TOP