



W25N / W72N

- Higher density
- 83MB/s and up to 166MB/s

# High Performance Serial NAND

*A better high-density storage option for sophisticated automotive display applications*

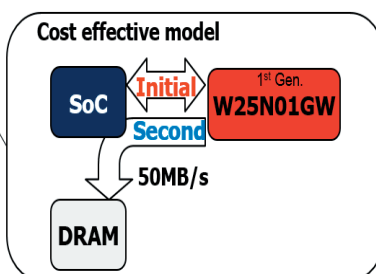
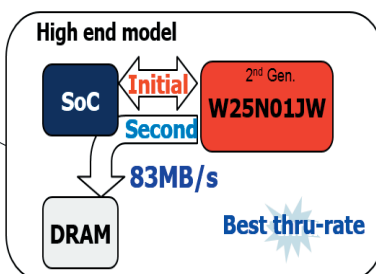
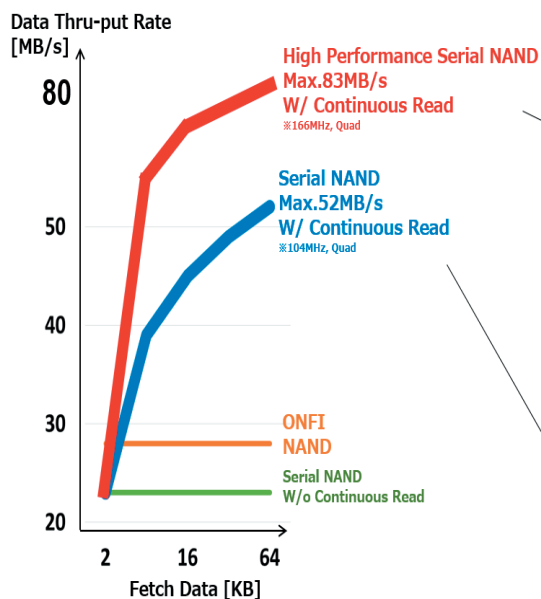
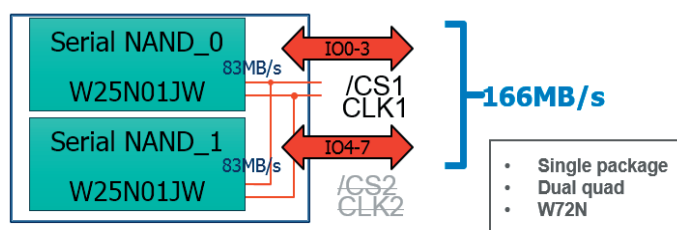
## General Description

The new W25N / W72N is a single-level cell (SLC) serial NAND Flash IC built using Winbond's proprietary 46nm fabrication process. SLC NAND has higher reliability than the higher-density multi-level cell (MLC) and triple-level cell (TLC).

Winbond new High Performance Serial NAND enables a data transfer rate four times faster than Parallel NAND and other Serial NAND currently on the market.

Transferring data at 83MB/s, which far exceeds competing NAND flash on the market, Winbond's new solution accelerates instrument cluster boot-up time.

## Two chips in One Package



It also supports dual-quad I/O interface to accommodate higher storage density or data transfer rate up to 166 MB/s. The selection allowing for single, dual and quad I/O means customers can enjoy more flexibility compared to what competitors can offer.

Furthermore, Winbond this new High Performance Serial NAND supports hardware reset pin which is more convenient for hardware / software design for automotive applications.

# Automotive Applications

- Advanced Driver Assistance Systems (ADAS)
- Instrument Cluster Applications
- Center Information Display (CID)
- Vehicle-To-Everything (V2X)
- Fast Booting

## Package Information

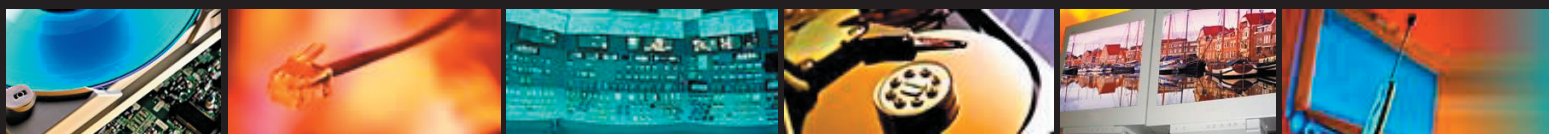
Voltage	Density	Part Number	Speed (MHz)	I/O	Package
1.8V	2Gb	W25N02JW	166 MHz (STR) 83 MHz (DTR)	x4	WSO6 6x8 SOP16 BGA24
		W72N02JW	166 MHz (STR) 83 MHz (DTR)	x8	BGA24
	1Gb	W25N01JW	166 MHz (STR) 83 MHz (DTR)	x4	WSO6 6x8 SOP16 BGA24

## Owned Logic and Memory Technology

Winbond Electronics Corp. is an Integrated IC Company engaged in IC design, manufacturing and sales services. From product design, research and development, wafer fabrication to marketing of brand name product, Winbond endeavors to provide its global clientele top quality of low to medium density memory solutions.

## Owned 12-inch Fab

Winbond specializes in the design of high-performance, low-power memory, and riding on the strength of having a 12-inch fab, offers a whole series of SLC code storage NAND flash memory and Mobile DRAM. The in house wafer fabrication provides customers with full commitment in capacity support as well as delivery flexibility.



# winbond

Corporate Headquarter  
No. 8, Keya 1<sup>st</sup>., Daya Dist., Taichung City 428, Taiwan  
Tel : 886 - 4 - 25218168  
Email : mkt\_online@winbond.com



Winbond Electronics Corporation America  
2727 North First Street, San Jose, CA 95134, U.S.A  
Tel : 1 - 408 - 943 - 6666

[www.winbond.com](http://www.winbond.com)