

# Premier Pro SP900 M.2 SATA SSD

The Premier Pro SP900 M.2 2242 and 2280 SATA 6Gb/s SSDs are built for PC development of the next generation – “faster and smaller”. The SP900 M.2 2242 and 2280 are even smaller than a 2.5” SSD and mSATA, but come with 128/256/512GB in capacity. Both of the two models are suitable for ultrabooks and motherboards. Thanks to the support of Intel® Smart Response Technology, the SP900 M.2 2242 and 2280 provide sequential read/write speeds up to 550/530 MB/s for excellent performance. With the support of DVESLP (Device Sleep) technology, the SP900 M.2 2242/2280 consumes less power for longer battery life.



## Features

- Applicable to Intel® Smart Response Technology
- Support DVESLP with Low power consumption
- Consistent high transfer speed
- NCQ Support
- Supports Windows TRIM Command
- S.M.A.R.T supported
- Small form-factor and minimum weight

## Specifications

- Capacities: 128GB/256GB/512GB
- NAND Flash Memory: Synchronous MLC
- Interface: SATA 6Gb/sec (SATA III)
- Controller: LSI SF-2281
- Form Factor: M.2 2242/2280
- Dimensions:
  - SP900NS34: 42 x 22 x 3.5mm (L x W x H)
  - SP900NS38: 80 x 22 x 3.5mm (L x W x H)
- Weight: 4g/ 8g
- Warranty: 3 years

## Ordering Information

Capacity	Model Number	EAN Code
128GB	ASP900NS34-128GM-C	4712366960213
256GB	ASP900NS34-256GM-C	4712366960220
128GB	ASP900NS38-128GM-C	4712366960237
256GB	ASP900NS38-256GM-C	4712366960244
512GB	ASP900NS38-512GM-C	4712366960251

- MTBF: 1,200,000 hours
- Operating Temperature: 0~70°C
- Storage Temperature: -40~85°C
- Shock Resistance: 1500G
- Operating Humidity: 10% to 90% RH (0° to 40°C)
- Storing Humidity: 5% to 95% RH (-10° to 40°C)

# Performance

Capacity	Read Speed ATTO (MB/sec)	Write Speed ATTO (MB/sec)	Sequential Read AS SSD (MB/sec)	Sequential Write AS SSD (MB/sec)	4K Random Write Iometer (MB/sec)
128GB	550	530	460	130	85,000
256GB	550	530	490	250	86,000
512GB	550	530	490	280	30,000

\*Test System: ASUS H87-PLUS , Pentium G3220, 4GB DDR3 RAM, Windows 8.1 Pro

# Dimensional Drawings

