

# SATA DOM (YSSDV)

# SATA DOM (YSSDH)

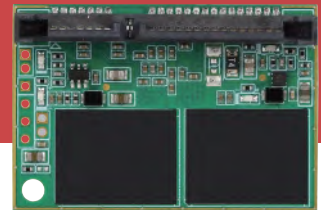
## Feature

- Interface: SATA 7pin
- Low-Density Parity-Check (LDPC) Code
- Global Wear Leveling
- Flash bad-block management
- Flash Translation Layer: Page Mapping
- Support S.M.A.R.T.
- Support TRIM

Yansen YSSDV-X-XXX (SATA Disk Module) offers elevated speed boost and higher error correction capabilities. Built with SATA 6.0 Gb/s interface, YSSDV-X-XXX delivers high performance and wide compatibility. With its SATA interface compliance and compact size, this high-speed disk module defines an ideal balance of performance, capacities, reliability and cost. YSSDV-X-XXX is suitable in industrial applications and light operating systems for specific operations. The architectural nature of SATA disk module provides higher resistance to external environmental influences and better flexibility for motherboard space.



YSSDV



YSSDH

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Factory: Factory: 3rd/F., E Block | Yalitong Ind. Park | Tangxia, Dongguan, Guangdong, China, 523710

# SATA DOM SERIES

## Specifications

|                         | YSSDV-X-XXX                  | YSSDH-X-XXX                  |
|-------------------------|------------------------------|------------------------------|
| Flash Type              | SLC/MLC                      | SLC/MLC                      |
| Capacity                | 8GB-256GB                    | 8GB-256GB                    |
| Sequential Read (MAX)   | Up to 300MB/s                | Up to 300MB/s                |
| Sequential Write (MAX)  | Up to 200MB/s                | Up to 200MB/s                |
| 4K Random Read          | 15000 IOPS                   | 15000 IOPS                   |
| 4K Random Write         | 13300 IOPS                   | 13300 IOPS                   |
| Operating Temperature   | -20°C ~ 70°C, -40°C ~ 85°C   | -20°C ~ 70°C, -40°C ~ 85°C   |
| Storage Temperature     | -55°C ~ +95°C                | -55°C ~ +95°C                |
| Humidity                | 5%-95% RH non-condensing     | 5%-95% RH non-condensing     |
| Shock                   | 1500G/0.5ms                  | 1500G/0.5ms                  |
| Vibration               | 80Hz~2000Hz/20G              | 80Hz~2000Hz/20G              |
| Operating Voltage       | DC 5V±5%                     | DC 5V±5%                     |
| Power Consumption (MAX) | 1.5W                         | 1.5W                         |
| Dimensions              | L39.5mm*W25mm*H9.3mm ±0.15mm | L39.5mm*W25mm*H9.3mm ±0.15mm |
| MTBF                    | 2 million hours              | 2 million hours              |

## Order Information

|             | Temperature  | 8GB                             | 16GB                            | 32GB                            | 64TB                            |                                 |
|-------------|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| YSSDV-S-XXX | -20°C ~ 75°C | YSSDV-S-008<br>(Enhance Series) | YSSDV-S-016<br>(Enhance Series) | YSSDV-S-032<br>(Enhance Series) | YSSDV-S-064<br>(Enhance Series) |                                 |
|             | -40°C ~ 85°C | YSSDV-S-008<br>(Extreme Series) | YSSDV-S-016<br>(Extreme Series) | YSSDV-S-032<br>(Extreme Series) | YSSDV-S-064<br>(Extreme Series) |                                 |
|             | Temperature  | 16GB                            | 32GB                            | 64GB                            | 128GB                           | 256GB                           |
| YSSDV-M-XXX | -20°C ~ 75°C | YSSDV-M-016<br>(Enhance Series) | YSSDV-M-032<br>(Enhance Series) | YSSDV-M-064<br>(Enhance Series) | YSSDV-M-128<br>(Enhance Series) | YSSDV-M-256<br>(Enhance Series) |
|             | -40°C ~ 85°C | YSSDV-M-016<br>(Extreme Series) | YSSDV-M-032<br>(Extreme Series) | YSSDV-M-064<br>(Extreme Series) | YSSDV-M-128<br>(Extreme Series) | YSSDV-M-256<br>(Extreme Series) |
|             | Temperature  | 8GB                             | 16GB                            | 32GB                            |                                 |                                 |
| YSSDH-S-XXX | -20°C ~ 75°C | YSSDH-S-008<br>(Enhance Series) | YSSDH-S-016<br>(Enhance Series) | YSSDH-S-032<br>(Enhance Series) |                                 |                                 |
|             | -40°C ~ 85°C | YSSDH-S-008<br>(Extreme Series) | YSSDH-S-016<br>(Extreme Series) | YSSDH-S-032<br>(Extreme Series) |                                 |                                 |
|             | Temperature  | 64GB                            | 128GB                           | 256GB                           |                                 |                                 |
| YSSDH-M-XXX | -20°C ~ 75°C | YSSDH-M-064<br>(Enhance Series) | YSSDH-M-128<br>(Enhance Series) | YSSDH-M-256<br>(Enhance Series) |                                 |                                 |
|             | -40°C ~ 85°C | YSSDH-M-064<br>(Extreme Series) | YSSDH-M-128<br>(Extreme Series) | YSSDH-M-256<br>(Extreme Series) |                                 |                                 |