

# P/N: ARNGFFM224S7X-128ANT

## A-RAY 2242 NGFF M.2 S700 128GB

## **DESCRIPTION**

S700 128GB is an SSD hard drive using a connection interface NGFF M.2 2242 controller. This is a SSD Smart Series that delivers read/write speeds up to 550/500 MBps and Support TRIM, NCQ, S.M.A.R.T, ECC, Wear-leveling. System Support: Windows XP/Win7/8/10/11, Mac OS, Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control....

### Precautions:

- [1] The speed was tested by A-RAY and for the reference only.
- [2] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.93GB [3] Definition and conditions of TBW (Terabytes Written)are based on JEDEC standard
- [4] Transmission speed will vary according to different hardware/software conditions, therefore the data can only use for basic reference.

#### NOTES:

- [5] We reserve the right to modify product specifications without prior notice.
- [6] Different devices may have a different best format for usage. It is recommended to format the device before use to ensure the correctness and the integrity of the SSD.
- [7] (1): We can use any of the above driver ICs. Basically, they do not change the performance and basic specifications. [8] (2): We may change any type of memory chip for any product line without notice.

## **SPECIFICATIONS**

| Part Number:  Capacity:  128GB  Performance Read/Write:  550/500 MBps  Interface:  NGFF M.2 2242  SMI: SM2259XT2G Yeestor: YS9082 Realtek: RK1135  NAND. (2)  Unlimited  Support:  Support TRIM, NCQ, S.M.A.R.T, ECC, Wear-leveling  - Desktop - Laptop - AlOs - Server - Industrial Computer - Consumer Computer  System Support:  Windows XP/Win7/8/10/11, Mac OS, Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control  Operating Voltage:  3.3V  Dimensions:  42*22*3.2mm  Operating Temperature:  -40 - 85°C  Humidity:  O*C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty:  Lifetime warranty — 36 months  | Series:                    | S700 Smart Series  |
|---|----------------------------|--|
| Performance Read/Write: 550/500 MBps  Interface: NGFF M.2 2242  Controller: <sup>(1)</sup> SMI: SM2259XT2G Yeestor: YS9082 Realtek: RK1135  NAND: <sup>(2)</sup> Unlimited  Support: Support TRIM, NCQ, S.M.A.R.T, ECC, Wearleveling  - Desktop - Laptop - AIOS - Server - Industrial Computer - Commercial Computer - Consumer Computer  System Support: Windows XP/Win7/8/10/11, Mac OS , Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control  Operating Voltage: 3.3V  Dimensions: 42*22*3.2mm  Operating Temperature: 0 - 70°C  Storage Temperature: -40 - 85°C  Humidity: 0°C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty: Lifetime warranty – 36 months | Part Number:               | ARNGFFM224S7X-128ANT   |
| Interface:  NGFF M.2 2242  SMI: SM2259XT2G Yeestor: YS9082 Realtek: RK1135  NAND: (2)  Unlimited  Support:  Support TRIM, NCQ, S.M.A.R.T, ECC, Wearleveling  - Desktop - Laptop - AIOS - Server - Industrial Computer - Commercial Computer - Consumer Computer  Windows XP/Win7/8/10/11, Mac OS, Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control  Operating Voltage:  3.3V  Dimensions:  42*22*3.2mm  Operating Temperature:  0 - 70°C  Storage Temperature: -40 - 85°C  Humidity: 0°C ~ 50°C/5% ~ 95% RH, non-condensing Warranty: Lifetime warranty – 36 months   | Capacity:                  | 128GB  |
| Controller: (1)  SMI: SM2259XT2G Yeestor: Y59082 Realtek: RK1135  NAND: (2)  Unlimited  Support:  Support:  Support TRIM, NCQ, S.M.A.R.T, ECC, Wearleveling  - Desktop - Laptop - AIOs - Server - Industrial Computer - Commercial Computer - Consumer Computer  Windows XP/Win7/8/10/11, Mac OS, Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control  Operating Voltage:  3.3V  Dimensions:  42*22*3.2mm  Operating Temperature:  0 - 70°C  Storage Temperature:  40 - 85°C  Humidity:  0°C ~ 50°C/5% ~ 95% RH, non-condensing Warranty:  Lifetime warranty – 36 months   | Performance Read/Write:    | 550/500 MBps   |
| Controller: <sup>(1)</sup> Yeestor: YS9082 Realtek: RK1135  NAND: <sup>(2)</sup> Unlimited  Support: Support TRIM, NCQ, S.M.A.R.T, ECC, Wearleveling  - Desktop - Laptop - AIOS - Server - Industrial Computer - Commercial Computer - Consumer Computer  Windows XP/Win7/8/10/11, Mac OS, Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control  Operating Voltage: 3.3V  Dimensions: 42*22*3.2mm  Operating Temperature: 0 - 70°C  Storage Temperature: -40 - 85°C  Humidity: 0°C ~ 50°C/5% ~ 95% RH, non-condensing Warranty: Lifetime warranty – 36 months   | Interface:                 | NGFF M.2 2242  |
| Support:  Support TRIM, NCQ, S.M.A.R.T, ECC, Wear-leveling  - Desktop - Laptop - AIOs - Server - Industrial Computer - Commercial Computer - Consumer Computer - Consumer Computer - Consumer Computer - Consumer Land applications such as: Music server, Automation control  Operating Voltage:  3.3V  Dimensions:  42*22*3.2mm  Operating Temperature:  0 - 70°C  Storage Temperature: -40 - 85°C  Humidity:  0°C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty:  Lifetime warranty – 36 months   | Controller: <sup>(1)</sup> | Yeestor: YS9082  |
| Support:    Leveling  | NAND: <sup>(2)</sup>       | Unlimited  |
| - Laptop - AIOs - Server - Industrial Computer - Commercial Computer - Consumer Computer  Windows XP/Win7/8/10/11, Mac OS , Linux, embedded operating systems used in control, measurement, and applications such as: Music server, Automation control  Operating Voltage:  3.3V  Dimensions:  42*22*3.2mm  Operating Temperature:  0 - 70°C  Storage Temperature:  -40 - 85°C  Humidity:  0°C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty:  Lifetime warranty – 36 months   | Support:                   |  |
| System Support:  embedded operating systems used in control, measurement, and applications such as: Music server, Automation control  Operating Voltage:  3.3V  Dimensions:  42*22*3.2mm  Operating Temperature:  0 - 70°C  Storage Temperature:  -40 - 85°C  Humidity:  0°C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty:  Lifetime warranty – 36 months   | Support Computer:          | - Laptop<br>- AlOs<br>- Server<br>- Industrial Computer<br>- Commercial Computer         |
| Dimensions: 42*22*3.2mm  Operating Temperature: 0 - 70°C  Storage Temperature: -40 - 85°C  Humidity: 0°C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty: Lifetime warranty – 36 months  | System Support:            | embedded operating systems used in control, measurement, and applications such as: Music |
| Operating Temperature: 0 - 70°C  Storage Temperature: -40 - 85°C  Humidity: 0°C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty: Lifetime warranty – 36 months   | Operating Voltage:         | 3.3V   |
| Storage Temperature: -40 - 85°C  Humidity: 0°C ~ 50°C/5% ~ 95% RH, non-condensing  Warranty: Lifetime warranty – 36 months  | Dimensions:                | 42*22*3.2mm  |
| Humidity: $0^{\circ}\text{C} \sim 50^{\circ}\text{C}/5\% \sim 95\% \text{ RH, non-condensing}$ Warranty: Lifetime warranty – 36 months  | Operating Temperature:     | 0 - 70°C   |
| Warranty: Lifetime warranty – 36 months   | Storage Temperature:       | -40 - 85°C   |
| · · · · · · · · · · · · · · · · · · ·   | Humidity:                  | 0°C ~ 50°C/5% ~ 95% RH, non-condensing   |
| Quality Certification: CF_FCC_ROHs  | Warranty:                  | Lifetime warranty – 36 months  |
| Quality Octilication.   | Quality Certification:     | CE, FCC, ROHs  |

