

# KingSpec®

STORING POSSIBILITIES PROTECTING PASSIONS

## MemoStone

# ZS301 Specification



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## SHENZHEN KINGSPEC ELECTRONICS TECHNOLOGY CO., LTD.

**Office:** 2001, Block C, Minzhi Joint Stock Commercial Center, North Station Community, Minzhi Street, Longhua District, Shenzhen, China, 518000

**Factory:** Factory 901, Building 1, Precision Intelligent Manufacturing Building, 8 Jianyou Road, Dafu Community, Guanlan Street, Longhua District, Shenzhen, China, 518000

**Tel:** 400-7799-771

**Website:** [www.kingspec.com](http://www.kingspec.com)

| ZS301 Specification |                                                     |                                                                                    |         |
|---------------------|-----------------------------------------------------|------------------------------------------------------------------------------------|---------|
| Item                | Model Name                                          | ZS301                                                                              |         |
| Overview            | Dimensions                                          | H（65.47mm）*Φ（22.89mm）±0.1mm                                                        |         |
|                     | Interface                                           | Type C, USB3.2 GEN2x2                                                              |         |
|                     | Support OS                                          | Windows 7, Windows 8, Windows 10, Windows 11, Android, IOS, MacOS, HarmonyOS, etc. |         |
| Performance         | Capacity                                            | 512B                                                                               | 1TB     |
|                     | NAND Flash                                          | 3D NAND                                                                            | 3D NAND |
|                     | Seq. Read(MB/s)                                     | 1900                                                                               | 1900    |
|                     | Seq. Write(MB/s)                                    | 1700                                                                               | 1700    |
|                     | TBW                                                 | 500                                                                                | 1000    |
|                     | Random 4k Read IOPS                                 | 32K(1TB)                                                                           |         |
|                     | Random 4k Write IOPS                                | 210K(1TB)                                                                          |         |
|                     | Random Acc. time                                    | 0.121ms(1TB)                                                                       |         |
| Electrical          | Input Voltage                                       | DC 5V±5%                                                                           |         |
|                     | Idle Mode                                           | 0.5W(1TB)                                                                          |         |
|                     | Max                                                 | 2.6W(1TB)                                                                          |         |
| Reliability         | Read endurance                                      | Infinite                                                                           |         |
|                     | Data Retention                                      | 10year @ 25℃                                                                       |         |
|                     | MTBF                                                | 1million hours                                                                     |         |
|                     | ECC                                                 | 4K LDPC                                                                            |         |
|                     | Function                                            | Automated Bad Block Management                                                     |         |
| Environment         | Option Temperature                                  | 0~+70℃                                                                             |         |
|                     | Storage Temperature                                 | -20~+75℃                                                                           |         |
|                     | Humidity                                            | 5-95%                                                                              |         |
| Warranty            | Limited 3-year warranty with free technical support |                                                                                    |         |
| Certification       | CE, ROHS, FCC, REACH                                |                                                                                    |         |
| Status              | MP                                                  | NO EOL                                                                             |         |