



999.00 EUR

incl. 19% VAT, plus [shipping](#)

|                               |                                                           |                            |
|-------------------------------|-----------------------------------------------------------|----------------------------|
| <b>Based spec</b>             | Interface                                                 | SATAIII                    |
|                               | Dimension                                                 | 100*70*7.0 mm              |
|                               | Weight                                                    | 62~72 g                    |
|                               | Capacity                                                  | 256GB                      |
|                               | SDram                                                     | 128MB                      |
|                               | Flash type                                                | Synchronous MLC NAND Flash |
| <b>Read/Write Performance</b> | Sequential Read                                           | Up to 510MB/s              |
|                               | Sequential Write                                          | Up to 340MB/s              |
|                               | 4KB Sequential Read IOPS                                  | 74212                      |
|                               | 4KB Sequential Write IOPS                                 | 68870                      |
|                               | 4KB Random Read IOPS                                      | 74764                      |
|                               | 4KB Random Write IOPS                                     | 15555                      |
|                               | Response Time                                             | 0.1ms                      |
| <b>Power Consumption</b>      | Power Supply                                              | 5V±5%                      |
|                               | Standby                                                   | 0.3W                       |
|                               | 4KB Random Write                                          | 2W                         |
| <b>Reliability</b>            | Write endurance: 8 years @ 100G write/day(32G)            |                            |
|                               | Read endurance: unlimited                                 |                            |
|                               | MTBF: >2,000,000 hours                                    |                            |
|                               | Data retention: >20years @ 25°C                           |                            |
|                               | Data destroy do not support                               |                            |
|                               | Sudden power-off recovery support                         |                            |
|                               | S.M.A.R.T, NCQ, Trim and dynamic power management support |                            |
|                               | Static and dynamic wear-leveling                          |                            |
|                               | Bad block management algorithm                            |                            |
|                               | ECC: Supports BCH ECC 16 / 24 / 40 bits in 1024 bytes     |                            |
| <b>Environment</b>            | Storage temperature: -55~95 °C                            |                            |
|                               | Operation temperature: -40~85°C                           |                            |
|                               | Humidity: 5%~95%                                          |                            |
|                               | Vibration: 20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis  |                            |
|                               | Shock: 1500G (@0.5ms half sine wave)                      |                            |