



# KingSpec®

STORING POSSIBILITIES PROTECTING PASSIONS

## XF-XXX Specifications



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XF-XXX Specifications

|               |                                                     |                                                   |           |           |
|---------------|-----------------------------------------------------|---------------------------------------------------|-----------|-----------|
| Item          | Model Name                                          | XF-XXX                                            |           |           |
| Overview      | Dimensions                                          | L30.0mm*W23.0mm*H3.2mm±0.1mm                      |           |           |
|               | Interface                                           | M.2, PCI-e Gen4 x4 NVME Rev.1.4                   |           |           |
|               | Support OS                                          | Windows 7,Windows 8.1,Windows 10, DOS, Linux,Unix |           |           |
| Performance   | Capacity                                            | 512GB                                             | 1TB       | 2TB       |
|               | NAND Flash                                          | 3D NAND                                           | 3D NAND   | 3D NAND   |
|               | Seq. Read(MB/s)                                     | 4800~5000                                         | 4800~5000 | 4900~5200 |
|               | Seq. Write(MB/s)                                    | 1800~2600                                         | 3800~4400 | 4300~4500 |
|               | TBW                                                 | 600TB                                             | 1200TB    | 2400TB    |
|               | Random 4k Read IOPS                                 | 210K (2TB)                                        |           |           |
|               | Random 4k Write IOPS                                | 675K (2TB)                                        |           |           |
|               | Random Acc. time                                    | 0.20ms (2TB)                                      |           |           |
| Electrical    | Input Voltage                                       | DC 3.3V±5%                                        |           |           |
|               | Idle Mode(W)                                        | 0.76W(2TB)                                        |           |           |
|               | Max (W)                                             | 5.30W(2TB)                                        |           |           |
| 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                                            |           |           |