



**Lenovo 4XB7A80321 internal solid state drive 7.68 TB 2.5" SAS V-NAND TLC**

**Brand :** Lenovo **Product code:** 4XB7A80321

**Product name :** 4XB7A80321

ThinkSystem 2.5" PM1653 7.68TB Read Intensive SAS 24Gb HS

**Lenovo 4XB7A80321 internal solid state drive 7.68 TB 2.5" SAS V-NAND TLC:**

The ThinkSystem PM1653 Read Intensive SAS 24Gb SSDs, in capacities of up to 30.72 TB, are next-generation high-performance 24Gb SAS self-encrypting SSDs (SEDs) suitable for a wide range of applications of running on ThinkSystem servers.

This product guide provides essential presales information to understand the PM1653 SSDs and their key features, specifications, and compatibility. This guide is intended for technical specialists, sales specialists, sales engineers, IT architects, and other IT professionals who want to learn more about the PM1653 SSDs and consider their use in IT solutions.

Lenovo 4XB7A80321. SSD capacity: 7.68 TB, SSD form factor: 2.5", Data transfer rate: 24 Gbit/s, Component for: Server/workstation

| Features                            |                                    | Features                          |                                         |
|-------------------------------------|------------------------------------|-----------------------------------|-----------------------------------------|
| SSD capacity *                      | 7.68 TB                            | Certification                     | UL TUV FCC IC CB CE Mark C-Tick         |
| SSD form factor *                   | 2.5"                               |                                   | Mark BSMI (Taiwan) KCC (Korea EMI) VCCI |
| Interface *                         | SAS                                | Power                             |                                         |
| NVMe *                              | ✗                                  | Power consumption (read)          | 11.5 W                                  |
| Memory type *                       | V-NAND TLC                         | Power consumption (write)         | 14.7 W                                  |
| Component for *                     | Server/workstation                 | Weight & dimensions               |                                         |
| Hardware encryption *               | ✓                                  | Width                             | 70 mm                                   |
| Data transfer rate                  | 24 Gbit/s                          | Depth                             | 100 mm                                  |
| Random read (4KB)                   | 420000 IOPS                        | Height                            | 15 mm                                   |
| Random write (4KB)                  | 110000 IOPS                        | Weight                            | 160 g                                   |
| Random latency - read (up to)       | 120 µs                             | Operational conditions            |                                         |
| Random latency - write (up to)      | 45 µs                              | Operating temperature (T-T)       | 0 - 70 °C                               |
| S.M.A.R.T. support                  | ✓                                  | Storage temperature (T-T)         | -40 - 85 °C                             |
| Uncorrectable Bit Error Rate (UBER) | < 1 per 10 <sup>17</sup> bits read | Operating relative humidity (H-H) | 5 - 95%                                 |
| Mean time between failures (MTBF)   | 2000000 h                          | Non-operating vibration           | 20 G                                    |
| Drive writes per day (DWPD)         | 1                                  | Non-operating shock               | 1500 G                                  |
|                                     |                                    | Maximum operating altitude        | 4572 m                                  |
|                                     |                                    | Other features                    |                                         |
|                                     |                                    | Compliance certificates           | RoHS                                    |



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### Catalog Object Cloud



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