Model: SAMSUNG MZ7LM1T9
S/N: S2TVNX0J104905

Disk Erasure Report

Page 1 - Erasure Status

Organisation Performing The Disk Erasure

Business Name: **Not Applicable (BN)**

Business Address: **Not Applicable (BA)**

Contact Name: **Not Applicable (BCN)** Contact Phone: **Not Applicable (BCP)**

Customer Details

Name: **Not Applicable (CN)**

Address: **Not Applicable (CA)**

Contact Name: **Not Applicable (CCN)** Contact Phone: **Not Applicable (CP)**

Disk Information

Make/Model: **SAMSUNG MZ7LM1T9** Serial: **S2TVNX0J104905**

Size(Apparent): **1920 GB, 1920383410176 bytes** Bus: **ATA-SSD**

Size(Real): **1920 GB, 1920383410176 bytes**

Disk Erasure Details

Start time: **2026/01/26 09:59:42** End time: **2026/01/26 16:20:11**

Duration: **06:20:29** Status: **ERASED**

Method: **PRNG Stream** PRNG algorithm: **XORshiro256**

Final Pass(Zeros/Ones/None): **Zeros** Verify Pass(Last/All/None): **Verify Last**

*Bytes Erased: **1920383410176, (100.00%)** Rounds(completed/requested): **1/1**

HPA/DCO: **No hidden sectors** HPA/DCO Size: **No hidden sectors**

Errors(pass/sync/verify): **0/0/0** Throughput: **252 MB/sec**

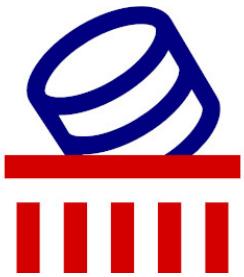
Information:

*** bytes erased: The amount of drive that's been erased at least once**

Technician/Operator ID

Name/ID: **Not Applicable (OTN)**

Signature:



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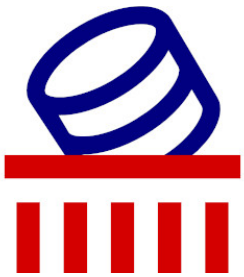
```
smartctl 7.2 2020-12-30 r5155 [x86_64-linux-5.14.0-503.22.1.el9_5.x86_64] (local build)
copyright (c) 2002-20, bruce allen, christian franke, www.smartmontools.org

=== start of information section ===
model family:     Samsung based SSDs
device model:     SAMSUNG MZ7LM1T9HMJP-00005
serial number:    S2TVNX0J104905
lu wwn device id: 5 002538 c404ed30c
firmware version: GXT5104Q
user capacity:    1,920,383,410,176 bytes [1.92 TB]
sector size:      512 bytes logical/physical
rotation rate:    Solid State Device
form factor:      2.5 inches
trim command:     Available, deterministic, zeroed
device is:        In smartctl database [for details use: -P show]
ata version is:   ACS-2, ATA8-ACS T13/1699-D revision 4c
sata version is:  SATA 3.1, 6.0 Gb/s (current: 6.0 Gb/s)
local time is:    Mon Jan 26 16:20:13 2026 GMT
smart support is: Available - device has SMART capability.
smart support is: Enabled

=== start of read smart data section ===
smart overall-health self-assessment test result: PASSED

general smart values:
offline data collection status:  (0x02)Offline data collection activity
was completed without error.
auto offline data collection: Disabled.
self-test execution status:      (   0)The previous self-test routine completed
without error or no self-test has ever
been run.
total time to complete offline
data collection: ( 6000) seconds.
offline data collection
capabilities:  (0x53) SMART execute Offline immediate.
auto offline data collection on/off support.
suspend offline collection upon new
command.
no offline surface scan supported.
self-test supported.
no conveyance self-test supported.
selective self-test supported.
smart capabilities:            (0x0003)Saves SMART data before entering
power-saving mode.
supports smart auto save timer.
error logging capability:        (0x01)Error logging supported.
general purpose logging supported.
short self-test routine
recommended polling time:  (   2) minutes.
extended self-test routine
recommended polling time:  ( 100) minutes.
sct capabilities:        (0x003d)SCT Status supported.
sct error recovery control supported.
sct feature control supported.
sct data table supported.

smart attributes data structure revision number: 1
vendor specific smart attributes with thresholds:
id# attribute_name          flag     value worst thresh type      updated  when_failed raw_value
  5 reallocated_sector_ct   0x0033   097   097   010    pre-fail  always       -       190
  9 power_on_hours          0x0032   086   086   000    old_age   always       -       68140
 12 power_cycle_count       0x0032   099   099   000    old_age   always       -       45
177 wear_leveling_count     0x0013   096   096   005    pre-fail  always       -       236
179 used_rsvd_blk_cnt_tot   0x0013   097   097   010    pre-fail  always       -       190
```



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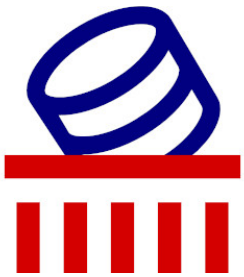
```
180 unused_rsvd_blk_cnt_tot 0x0013   097   097   010    pre-fail  always       -       6257
181 program_fail_cnt_total  0x0032   100   100   010    old_age   always       -       0
182 erase_fail_count_total  0x0032   100   100   010    old_age   always       -       0
183 runtime_bad_block       0x0013   097   097   010    pre-fail  always       -       190
184 end-to-end_error        0x0033   100   100   097    pre-fail  always       -       0
187 uncorrectable_error_cnt 0x0032   099   099   000    old_age   always       -       90
190 airflow_temperature_cel 0x0032   063   056   000    old_age   always       -       37
194 temperature_celsius     0x0022   063   056   000    old_age   always       -       37 (min/max 21/44)
195 ecc_error_rate          0x001a   199   199   000    old_age   always       -       90
197 current_pending_sector  0x0032   100   100   000    old_age   always       -       0
199 crc_error_count         0x003e   100   100   000    old_age   always       -       0
202 exception_mode_status   0x0033   100   100   010    pre-fail  always       -       0
235 por_recovery_count      0x0012   099   099   000    old_age   always       -       37
241 total_lbas_written      0x0032   099   099   000    old_age   always       -       582523642526
242 total_lbas_read         0x0032   099   099   000    old_age   always       -       1538587750722
243 sata_downshift_ct       0x0032   100   100   000    old_age   always       -       0
244 thermal_throttle_st     0x0032   100   100   000    old_age   always       -       0
245 timed_workld_media_wear 0x0032   100   100   000    old_age   always       -       65535
246 timed_workld_rdwr_ratio 0x0032   100   100   000    old_age   always       -       65535
247 timed_workld_timer      0x0032   100   100   000    old_age   always       -       65535
251 nand_writes             0x0032   100   100   000    old_age   always       -       1014018141184

smart error log version: 1
ata error count: 90 (device log contains only the most recent five errors)
cr = command register [hex]
fr = features register [hex]
sc = sector count register [hex]
sn = sector number register [hex]
cl = cylinder low register [hex]
ch = cylinder high register [hex]
dh = device/head register [hex]
dc = device command register [hex]
er = error register [hex]
st = status register [hex]
powered_up_time is measured from power on, and printed as
ddd+hh:mm:SS.sss where DD=days, hh=hours, mm=minutes,
ss=sec, and sss=millisec. it "wraps" after 49.710 days.

error 90 occurred at disk power-on lifetime: 2597 hours (108 days + 5 hours)
  when the command that caused the error occurred, the device was active or idle.

  after command completion occurred, registers were:
  er st sc sn cl ch dh
  -- -- -- -- -- -- --
  00 51 01 10 00 00 00  error:  at LBA = 0x00000010 = 16

  commands leading to the command that caused the error were:
  cr fr sc sn cl ch dh dc   powered_up_time  command/feature_name
  -- -- -- -- -- -- -- --  ----------------  --------------------
  60 80 00 00 e7 e6 00 00   1d+03:44:49.431  READ FPDMA QUEUED
  60 80 00 80 e6 e6 00 00   1d+03:44:49.431  READ FPDMA QUEUED
  60 80 00 00 e6 e6 00 00   1d+03:44:49.431  READ FPDMA QUEUED
  60 80 00 00 e5 e6 00 00   1d+03:44:49.431  READ FPDMA QUEUED
  60 80 00 80 e4 e6 00 00   1d+03:44:49.431  READ FPDMA QUEUED

error 89 occurred at disk power-on lifetime: 2596 hours (108 days + 4 hours)
  when the command that caused the error occurred, the device was active or idle.

  after command completion occurred, registers were:
  er st sc sn cl ch dh
  -- -- -- -- -- -- --
  00 51 01 10 00 00 00  error:  at LBA = 0x00000010 = 16

  commands leading to the command that caused the error were:
```



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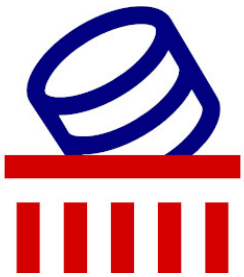
```
  cr fr sc sn cl ch dh dc   powered_up_time  command/feature_name
  -- -- -- -- -- -- -- --  ----------------  --------------------
  60 80 00 00 99 f2 00 00   1d+03:44:46.028  READ FPDMA QUEUED
  60 80 00 80 98 f2 00 00   1d+03:44:46.028  READ FPDMA QUEUED
  60 80 00 00 98 f2 00 00   1d+03:44:46.028  READ FPDMA QUEUED
  60 80 00 00 97 f2 00 00   1d+03:44:46.028  READ FPDMA QUEUED
  60 80 00 80 96 f2 00 00   1d+03:44:46.028  READ FPDMA QUEUED

error 88 occurred at disk power-on lifetime: 2595 hours (108 days + 3 hours)
  when the command that caused the error occurred, the device was active or idle.

  after command completion occurred, registers were:
  er st sc sn cl ch dh
  -- -- -- -- -- -- --
  00 51 01 10 00 00 00  error:  at LBA = 0x00000010 = 16

  commands leading to the command that caused the error were:
  cr fr sc sn cl ch dh dc   powered_up_time  command/feature_name
  -- -- -- -- -- -- -- --  ----------------  --------------------
  60 80 00 00 e7 e6 00 00   1d+03:44:40.081  READ FPDMA QUEUED
  60 80 00 80 e6 e6 00 00   1d+03:44:40.081  READ FPDMA QUEUED
  60 80 00 00 e6 e6 00 00   1d+03:44:40.081  READ FPDMA QUEUED
  60 80 00 00 e5 e6 00 00   1d+03:44:40.081  READ FPDMA QUEUED
  60 80 00 80 e4 e6 00 00   1d+03:44:40.081  READ FPDMA QUEUED

error 87 occurred at disk power-on lifetime: 2594 hours (108 days + 2 hours)
  when the command that caused the error occurred, the device was active or idle.

  after command completion occurred, registers were:
  er st sc sn cl ch dh
  -- -- -- -- -- -- --
  00 51 01 10 00 00 00  error:  at LBA = 0x00000010 = 16

  commands leading to the command that caused the error were:
  cr fr sc sn cl ch dh dc   powered_up_time  command/feature_name
  -- -- -- -- -- -- -- --  ----------------  --------------------
  60 80 00 00 05 9d 00 00   1d+03:44:39.341  READ FPDMA QUEUED
  60 80 00 80 04 9d 00 00   1d+03:44:39.341  READ FPDMA QUEUED
  60 80 00 00 04 9d 00 00   1d+03:44:39.341  READ FPDMA QUEUED
  60 80 00 00 03 9d 00 00   1d+03:44:39.341  READ FPDMA QUEUED
  60 80 00 80 02 9d 00 00   1d+03:44:39.341  READ FPDMA QUEUED

error 86 occurred at disk power-on lifetime: 2566 hours (106 days + 22 hours)
  when the command that caused the error occurred, the device was active or idle.

  after command completion occurred, registers were:
  er st sc sn cl ch dh
  -- -- -- -- -- -- --
  00 51 01 10 00 00 00  error:  at LBA = 0x00000010 = 16

  commands leading to the command that caused the error were:
  cr fr sc sn cl ch dh dc   powered_up_time  command/feature_name
  -- -- -- -- -- -- -- --  ----------------  --------------------
  60 80 00 00 e7 e6 00 00   1d+03:42:57.648  READ FPDMA QUEUED
  60 80 00 80 e6 e6 00 00   1d+03:42:57.648  READ FPDMA QUEUED
  60 80 00 00 e6 e6 00 00   1d+03:42:57.648  READ FPDMA QUEUED
  60 80 00 00 e5 e6 00 00   1d+03:42:57.648  READ FPDMA QUEUED
  60 80 00 80 e4 e6 00 00   1d+03:42:57.648  READ FPDMA QUEUED

smart self-test log structure revision number 1
no self-tests have been logged.  [to run self-tests, use: smartctl -t]

smart selective self-test log data structure revision number 1
 span  min_lba  max_lba  current_test_status
```



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```
    1        0        0  not_testing
    2        0        0  not_testing
    3        0        0  not_testing
    4        0        0  not_testing
    5        0        0  not_testing
  255        0    65535  read_scanning was completed without error
selective self-test flags (0x0):
  after scanning selected spans, do not read-scan remainder of disk.
if selective self-test is pending on power-up, resume after 0 minute delay.
```