TLZ07-DA

SCSI topology, media handling and data-path acceptance guide

TLZ07-DA is a tabletop SCSI-2 DDS cassette tape drive. A successful replacement depends on the complete bus arrangement: host adapter, unique target address, cable continuity, end-of-bus termination, compatible 4 mm media and the installed backup application.

01 Installed bus definition

Complete model	TLZ07-DA
Product type	Tabletop SCSI-2 DDS cassette tape drive
Manufacturer	Digital Equipment Corporation
Technical basis	Digital TLZ07 owner and installation instructions, EK-TLZ07-OM / EK-TLZ07-IN

SCSI chain map

1. **Host system** — Backup software and device driver
2. **Host adapter** — Approved SCSI interface
3. **Cable chain** — Documented connectors and length
4. **Target device** — TLZ07-DA, unique ID 0-7
5. **Physical bus end** — Termination only where required

Configuration capture before removal

Rear-panel target ID

Record the selector position before moving any cable or terminator.

Physical bus position

Identify whether the drive sits at an endpoint or between other devices.

Connector and cable path

Photograph both SCSI connectors, retention hardware, cable orientation and adjacent devices.

Host environment

Record adapter, operating environment, backup application and assigned device name.

Media set

Identify readable 4 mm cassettes and preserve at least one known-good test medium.

Data-preservation status

Confirm that required archives are readable and an approved restore path exists.

02 Device and media readiness

AC input	100 to 240 V AC, 0.3 A, 50/60 Hz
Typical power	12 W
Interface	SCSI-2; target ID range 0 to 7; factory setting 0
Media	4 mm DDS, DDS-2 and DC formats
Native transfer	400 KB/s
Maximum compressed capacity	8.0 GB
Operating environment	10 to 40 deg C; 20 to 80% RH, non-condensing

03 Controlled replacement workflow

01 Preserve archives	Verify required data can be read and that another approved restore path exists before disturbing the legacy drive.
02 Map the SCSI chain	Record host adapter, every target ID, device order, cable route and the two physical endpoints.
03 Isolate and label	Power down the approved host path; label both SCSI connectors, AC lead and terminator positions.
04 Inspect interfaces	Check connector pins, shells, latches, cable jacket, ventilation openings and cassette door.
05 Rebuild topology	Return the target ID, cable order and endpoint termination to the documented arrangement.
06 Power and inquire	Energize the drive and host, then confirm one stable inquiry response at the intended target address.
07 Prove the transport	Use a known-good cassette to complete load, write/read comparison, rewind and unload.
08 Close the record	Retain final bus settings, medium identity, test result and any approved deviation.

Configuration hold points

Target address	One unused SCSI ID is assigned to TLZ07-DA; no duplicate target exists.
Termination	Terminators appear only at the two physical ends of the installed bus.
Cable path	Orientation, retention and cable condition match the recorded arrangement.
Host recognition	The adapter and operating environment identify one stable drive at the intended address.
Test medium	The cassette format is supported, physically sound and already known to be readable.
Ventilation	Tabletop enclosure is level, unobstructed and within the documented ambient range.

Commissioning acceptance sequence

1 1 Inquiry
Stable device identity; no address conflict

2 2 Load
Cassette accepted without repeated retry

3 3 Write/read
Returned data matches the controlled test set

4 4 Rewind
Transport completes without reset or media error

5 5 Unload
Cassette releases normally and record is closed

Acceptance evidence matrix

Inquiry evidence	Host log shows one stable TLZ07-DA identity at the selected target address.
Load evidence	Known-good cassette is accepted without repeated retry or door error.
Data evidence	Controlled write/read comparison returns the expected data set.
Transport evidence	Rewind and unload complete without bus reset or unexplained media error.
Closeout evidence	Final target ID, termination, medium and test result are retained together.

04 Fault isolation and escalation

Drive absent from inquiry	Check AC input, target-ID uniqueness, connector seating, cable continuity and termination before evaluating the transport.
Intermittent detection or resets	Review cable length, connector condition and physical endpoint termination; compare behavior with the chain simplified.
Cassette will not load	Inspect door condition and cassette shell; compare with a known-good compatible 4 mm medium.
Read/write error follows one tape	Quarantine that cassette and repeat with known-good media before condemning the drive.
Read/write error remains with drive	Retain the known-good test medium, host log, sense data and completed bus checks for escalation.
Archive cannot be restored	Stop destructive testing; preserve the tape, software environment and alternate restore path for controlled review.

Diagnostic decision matrix

Symptom changes with target ID	Resolve duplicate addressing or host assignment before transport work.
Symptom changes with terminator position	Correct the bus topology; termination belongs only at physical endpoints.
Symptom follows one cassette	Treat the medium as suspect and protect remaining archives.
Symptom follows the drive	Retain logs and repeat controlled tests with known-good cable and media.
Host sees drive, backup fails	Review driver, backup application, media format and command evidence.

05 Handover and archive-preservation package

Installed bus record	Adapter, device order, target IDs, cable route and endpoint termination
Drive evidence	Complete label, rear panel, connector shells, selector and AC inlet photographs
Media evidence	Cassette format, known-good identifier and quarantine list for failed media
Functional proof	Inquiry, load, write/read comparison, rewind and unload results
Preservation record	Readable archive confirmation and approved alternate restore route

Product-specific application limits

Bus dependency	Connector fit alone does not establish target-ID, termination or host compatibility.
Capacity boundary	Published capacity depends on supported medium and compression state.
Acceptance boundary	Successful inquiry alone does not prove tape transport or data integrity.

Other verified ApterPower legacy automation references

Navigation references only; they are not automatic substitutes for this product.

- **ABB AI880A 3BSE039293R1**
- **ABB DCP10**
- **ABB HIEE400109R1**
- **ABB 3BHE004468R0021 GDC780BE21**

Discuss the exact installed reference

Send the complete marking, installed relationship and required quantity.

sales13@apterpower.com | +86 18030235313