

TK50 Subsystem

The TK50 streaming tape drive subsystem provides 94 Mbytes of backup data storage and uses Digital magnetic tape cartridges (CompactTape). Each tape cartridge has 182.88 m (600 ft) of 1.27 cm (1/2 in) wide tape.

Each TK50 subsystem has a mounting chassis that holds the tape drive, power supply, dc cooling fan, printed circuit board for external cable signal distribution, and front and rear panels. Rackmount units must be mounted in an H9302 rackmount kit. This kit, which ships separately, holds two subsystems side-by-side and fits a standard 48.26 cm (19 in) rack. Desktop units have a cover and front and rear bezels already installed. This dual configuration may require an H9504-FC filler panel.

The subsystem operates with either 120 V (TK50-RA, TK50-DA), or 240 V (TK50-RB, TK50-DB) primary power. The On/Off switch on the front panel controls primary power for the TK50-D (desktop). The TK50-R's (rackmount) power switch is covered and forced to the on position. Refer to Appendix B for specifications.

The TK50 tape drive is a field replaceable unit (FRU). Refer to the Table 5-5 and Chapter 6, Removal and Replacement for FRU procedures.

M7547 Controller Module

The M7547 controller module is a dual-height module that provides the interface between the TK50 tape drive and the UNIBUS. Figure 5-2 shows the two DIP switches on the controller module and the jumpers. Use these DIP switches and jumpers to configure the following.

- Unit number
- Device starting address
- Hardware revision level (set at the factory)

The factory setting of the unit number DIP switch is set for the first M7547 module installed in a system.

The factory setting of the jumpers is set to an address of 774500. This is the correct address to use for the first M7547 (TMSCP) device module installed in a system.

The hardware revision level switch is set at the factory and should match the revision level on the module.