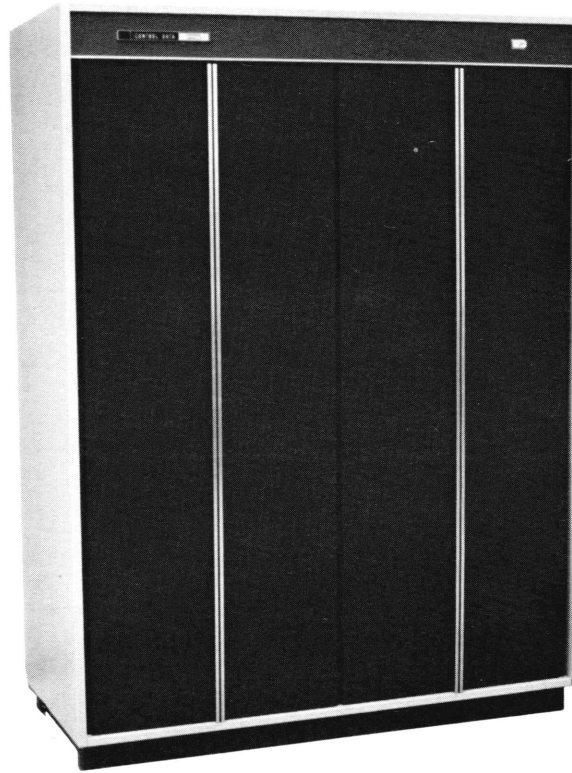


CONTROL DATA® 7021 and 7622 MAGNETIC TAPE CONTROLLERS

CONTROL DATA
CORPORATION



The CDC® 7021 and 7622 Magnetic Tape Controllers provide the interface between CDC 667 and 669 Magnetic Tape Transports and Control Data computer system I/O channels. Up to eight transports can be interfaced by the controllers to as many as four channels.

The 7021 controller is used with CDC CYBER 70 Model 72, 73, and 74, CDC 6000 series, and CDC CYBER 170 Series computer systems. The 7622 controller is used with the CDC CYBER 70 Model 76 and CDC 7000 Series computer systems. (See diagram on reverse side for configurations.)

There are two models of each controller, designated -1 and -2. The 7021-1 and 7622-1 controllers include one small programmable processor. The 7021-2 and 7622-2 controllers include two processors. The controlware used to program the processors enhances the normal operation of the subsystem and provides improved diagnostic and recovery capability, ensuring a high level of throughput and accuracy. Dual coupler access on the 7021-2 and 7622-2 controllers accommodates two simultaneous data transfers (read and/or write) to any two drives.

A subsystem can read or write tapes using industry standard NRZI or Phase-Encoded methods of recording, depending upon tape transport selection. Transports having 9-track capabilities can use either recording method, which is selected under program control. Operations on 7-track tape transports use the NRZI recording method. All subsystems can perform character-code translation

during data transfer with no degradation of the character transfer rates specified for the various tape transports. Various assembly/disassembly modes of operation for data are also provided.

The tape transports are connected to the controller in parallel, rather than series, making it possible to switch individual drives off-line without cable changing. Diagnostic routines can then be run without interrupting or affecting the operation of the remaining drives. Digital signal transmission is used across this interface to improve noise rejection.

Physical/Electrical Characteristics

	7021-1/7622-1	7021-2/7622-2
Height:	76 inches	76 inches
Width:	29 inches	55.6 inches
Depth:	25 inches	25 inches
Weight:	600 pounds	850 pounds

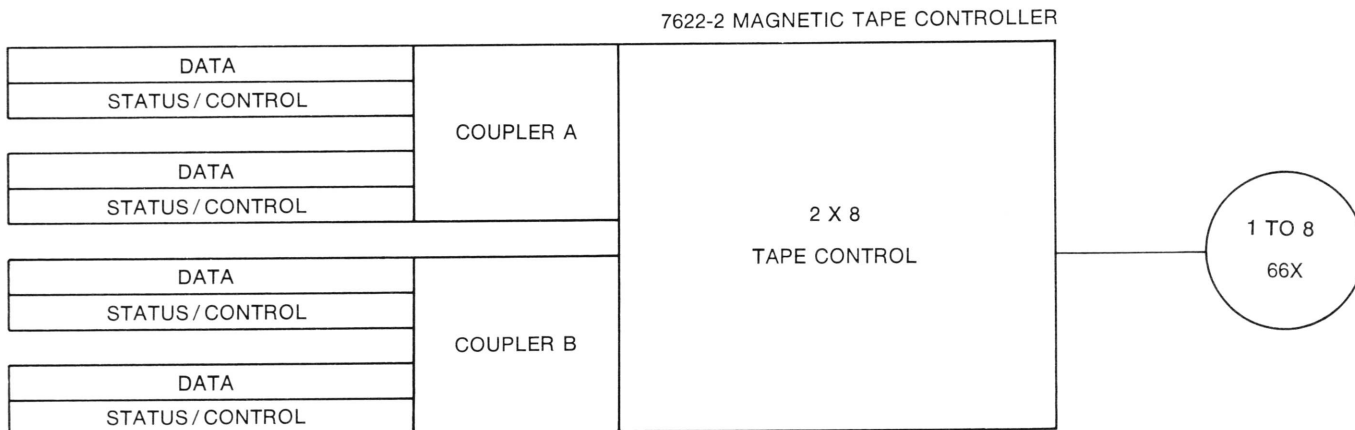
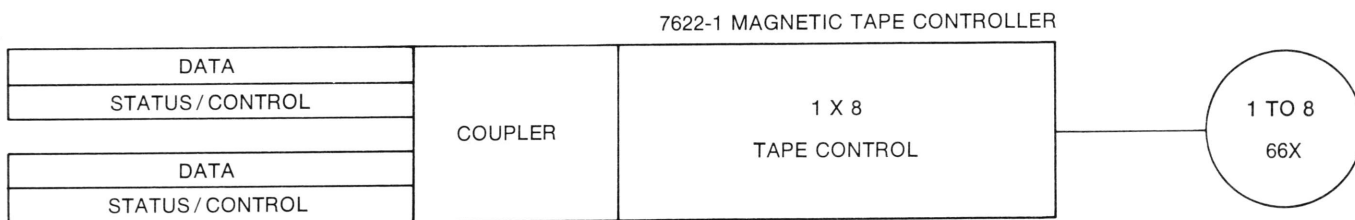
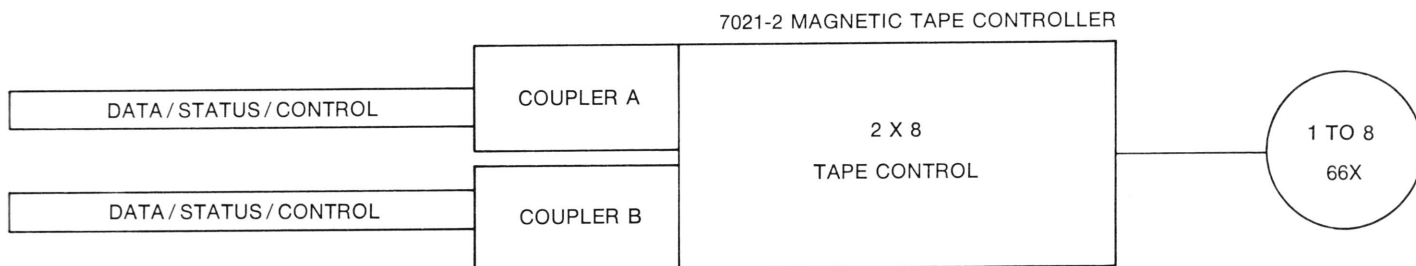
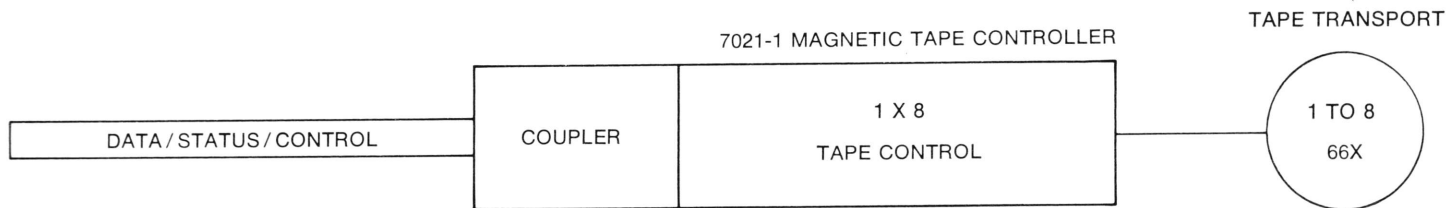
Power Requirements

400 Hz, 120/208V, Three Phase, 15A Circuit
60 Hz, 120V, Single Phase, 15A Circuit
50 Hz, 220-250V, Single Phase, 15A Circuit

Cable Length Restrictions

7021/7622 to Transport	200 feet (by special order)
7021 to Processor	75 feet (fixed length cable)
7622 to Processor	120 feet (by special order)

Specifications subject to change without notice.



KEY: 6000 SERIES; CYBER 70, MODEL 72, 73, 74; CYBER 170 I/O CHANNEL

7000 SERIES OR CYBER 70, MODEL 76 I/O CHANNEL PAIR