

CONTROL DATA® CYBER 170 2552-1 HOST COMMUNICATION PROCESSOR

CONTROL DATA
CORPORATION



The CDC® CYBER 170/2552-1 Host Communication Processor (HCP) is designed for use with large Network Communication Systems (NCS), systems requiring high-volume throughput and circuit connectability. The primary function of the HCP within the communications network is to combine the interfacing functions of host computers and terminals into a unitized product package. The HCP also assumes various data-communications-related functions formerly residing in the host computer, and results in greater host computer efficiency.

The CDC 2552-1 HCP includes a communication processor, memory, a processor-based multiplex loop controller, multiplex loop interface adapter, and CDC CYBER 70/170 Channel Couplers. Support capability is provided for optional line printer and card reader. A maintenance panel is also included as part of the 2552-1 system, plus a maintenance tape cassette, cyclic encoder, expansion cabinet and power supplies.

A communication console is required for normal operation of this processor, but is not included as part of the 2552-1 system.

SPECIFICATIONS

Memory: Includes 32K of 600 nanosecond, 16-bit main memory

Throughput Capacity: Conservatively rated at 30,000 characters per second continuous, plus considerable reserve power for peak loading conditions

Multiplexer Capacity: Interfaces up to 32 lines, using 256X Communication Line Adapter cards

Expansion Capacity —

Maximum Connectability: 256 lines (with additional 2556-X Communication Line Expansion Units and the required main memory)

Maximum Main Memory: 128K words

Local Card Reader: CDC 2572-1 or -2 unit

Local Line Printer: CDC 2570-1 or -2 unit

Channel Couplers: CDC 2558-1 unit

Environmental Characteristics —

Operating Temperature: +40F° to +120F°

Operating Humidity: 10% to 90%

Non-operating Temperature: -30° to +150°F

Non-operating Humidity: 5% to 95% (no condensation)

Power Requirement: 5.0 KVA, 115 volts 60 Hz, single phase

Physical Dimensions —

Height: 75 inches

Width: 48 inches

Depth: 34 inches