CONTROL DATA® CYBER 170 2550-2 HOST COMMUNICATION PROCESSOR

CONTROL DATA
CORPORATION

The CDC® CYBER 170/2550-2 Host Communication Processor (HCP) is designed for use with Network Communication Systems (NCS) of moderate size or systems which will require capability expansion in the near future. 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 2550-2 HCP includes a communication processor, memory, CDC CYBER channel coupler, multiplexer loop interface adapter, and loop multiplexer. Support capability is provided for optional line printer and card reader. A maintenance panel is also included as part of the 2550-2 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 2550-2 system.

SPECIFICATIONS

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

Throughput Capacity: Conservatively rated at 10,000 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: 128 lines (with addition of 2556X Communications Line Expansion units

Maximum Main Memory: 65K words
Local Line Printer: CDC 2570-1 or -2 unit
Local Card Reader: CDC 2572-1 or -2 unit
Additional Channel Coupler: CDC 2558-1

Environmental Characteristics —

Operating Temperature: +40°F to +120°F
Operating Humidity: 10% to 90%
Non-operating Temperature: −30°F to +150°F
Non-operating Humidity: 5% to 95% (no condensation)

Power Requirement: 4.8 KVA, 115 volts 60 Hz, single phase

Physical Dimensions —

Height: 75 inches
Width: 48 inches
Depth: 34 inches