CONTROL DATA® CYBER 170 2550-1 HOST COMMUNICATION PROCESSOR

CONTROL DATA
CORPORATION

The CDC® CYBER 170/2550-1 Host Communication Processor (HCP) is the entry-level system of the CDC 2550 series and is designed for use with small Network Communication Systems (NCS). The primary function of the HCP within this 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 2550-1 HCP includes a communication processor, memory, CDC CYBER channel coupler, multiplexer loop interface adapter, and a loop multiplexer. Support capability is provided for an optional line printer and card reader. A maintenance panel is also included as part of this HCP system, plus a maintenance tape cassette, cyclic encoder and power supplies.

A communication console is required for normal operation of this processor, but is not included as part of the 2550-1 sysem.

SPECIFICATIONS

Memory: includes 24K words 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: 64 lines (with addition of 2556-2 Communication Line Expansion unit
   Maximum Main Memory: 32K words
   Local Line Printer: CDC 2570-1 or -2 unit
   Local Card Reader: CDC 2572-1 or -2 unit

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: 2.6 KVA, 115 volts 60 Hz, single phase

Physical Dimensions —
   Height: 75 inches
   Width: 24 inches
   Depth: 34 inches