

SOFTWARE DATA SHEET

The Wang Teletype® Emulation software, in conjunction with an appropriate Wang communications controller, allows a 2200 Series system to communicate with a wide range of devices that utilize an asynchronous interactive ASCII protocol with 7 or 8 data bits per character.

The Teletype Emulation activates the keyboard and numeric pad of a 2200 Series CRT-based terminal for on-line interactive transmission. Special function keys can be used to initiate disk/diskette transmission or reception, printer reception, and transmission of a BREAK signal. Also, ASCII control codes (e.g., ESCAPE, ACK, and NAK) can be transmitted using a special function key in conjunction with the standard keys.

A Wang 2200 Series system equipped with the Teletype Emulation can receive BASIC programs from a host system, save them on disk or diskette, and execute them locally with little conversion. Data keyed to a disk or diskette in an off-line operation can be transmitted in a limited batch mode. Data files may be received to disk or diskette for subsequent off-line processing or printing.

SYSTEM REQUIREMENTS

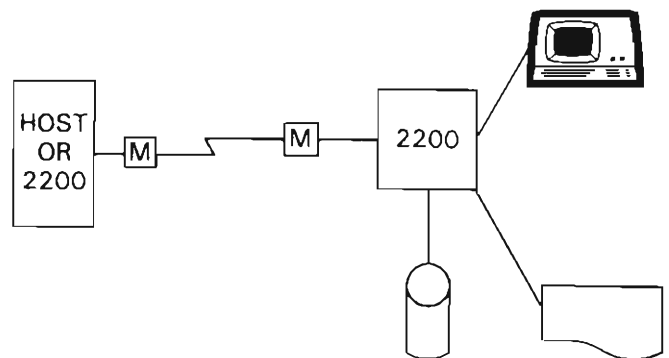
Central Processor	Communications Controller
2200VP, MVP, or LVP	2227B, 2228B, or 2228C
2200SVP	Option 27B, 28B, or 28C

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2200

TELETYPE EMULATION

- **Communicates with:**
 - A host system supporting asynchronous interactive ASCII protocol
 - A teletypewriter or equivalent terminal
 - Another Wang 2200 Series system with Teletype emulation
 - A device with a standard Teletype interface
- **Selectable host or terminal mode**
- **Optional support of host echo and full- or half-duplex operation**
- **Optional buffering of line printer data**
- **Transmission from keyboard, disk, or diskette**
- **Reception to CRT, printer, disk, or diskette**



Wang Laboratories, Inc.

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The Teletype Emulation supports line speeds up to 1200 bits per second (bps) over dial-up telephone lines. The software supports line speeds up to 7200 bps, using a Wang null modem for connection, over RS-232-C/CCITT V.24 compatible cables not exceeding 50 feet (15.2 meters). To ensure easy integration with existing host systems, selectable emulation parameters are provided for the number of data bits per character, parity error checking, number of stop bits, half- or full-duplex modem operation, and line speed.

PRODUCT CHARACTERISTICS

Package Number

195-2056-3 (single-sided single-density diskette)

195-2056-5 (double-sided dual-density diskette)

Line Discipline

Asynchronous point-to-point operation on a switched or leased line (full- or half-duplex)

Line Speeds

Up to 1200 bps

Modem Selection

A Wang controller is a DTE interface, compatible with any RS-232-C/CCITT V.24 DCE

interface. Modems at both ends of the communications link must be compatible with each other.

For communications up to 50 feet (15.2 meters) over RS-232-C/CCITT V.24 compatible cables, a Wang 2227N or 2228N Null Modem may be used.

Code Translation

The ASCII character set is used for received and transmitted data.

Memory

16K for standard operations (only 8K without disk file search and recovery)

Error Detection

Selectable parity checking and special character replacement for parity and framing errors

Record Length

When data is sent from or received to disk or diskette, records are terminated by a carriage return and limited to 245 characters.

Disk File Format

Wang's TC file format supporting variable length records is used for disk/diskette transmission or reception.

*Wang Laboratories reserves the right to change specifications without prior notice.
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