

Terminal Interfaces 12531C • 12531D • 12880A

Features

- Plug-in compatibility with 21MX Series and 2100 Series computers
- EIA RS-232-C and CCITT V.24 compatible
- Simplex, half duplex or echoplex operation
- Jumper-selectable data transfer rates to 2400 bits per second with two stop bits

HP 12531C TELEPRINTER INTERFACE

The HP 12531C interfaces HP 21MX and 2100 series computers to HP Teleprinters, model numbers 2752A and 2754B, using current loop signals. Optional features allow interfacing to a variety of EIA compatible devices, including Bell 103 type data sets or equivalent (manual mode only).

Five jumper-selectable data transfer rates are available (110, 220, 440, 880, or 1760 bits per second). A second jumper allows an external clock pulse (provided by the I/O device) to control the data rate, up to a maximum of 2400 bits per second.

HP 12531D TERMINAL INTERFACE

The HP 12531D Interface provides data transfer between HP 21MX and 2100 series computers and a variety of terminal devices. The standard interface is used with devices requiring current loop signals. Optional features allow using the interface with devices requiring EIA compatible data levels. Option 001 is used to interface terminals locally with EIA type connections. Option 002 is for use with Bell 103 data sets or equivalent (manual mode only). Option 004 provides a cable for local connection to the HP 2640A Interactive Display Terminal.

Five jumper-selectable data transfer rates are available (150, 300, 600, 1200, or 2400 bps). A second jumper allows an external clock pulse (provided by the I/O device) to control the data rate, up to a maximum of 9600 bps.

HP 12880A CONSOLE TERMINAL INTERFACE

The HP 12880A Console Terminal Interface provides for data transfer between a console terminal and HP 21MX and 2100 series computers. The 12880A is designed to allow the terminal device to control the data transfer rate, up to a maximum of 9600 bits per second. The standard 12880A is provided with a cable suitable for EIA terminal connections. Option 001 provides a cable that plugs directly into the HP 2640A Interactive Display Terminal.

Product Specifications

Model	Interface Level	No. of Baud Rates (Jumper Selectable)	Maximum Baud Rate		Character Size	Number of Stop Bits	Modem Interface Capability	Power Required
			Interface Clock	External Clock				
12531C	20 mA or EIA/CCITT	5	1760	2400	8 bits	1,2	Bell 103 or equivalent (Manual only)	0.76A (+4.5V) 0.05A (+12V) 0.10A (-12V) 0.05A (-2V)
12531D	20 mA or EIA/CCITT	5	2400	9600	8 bits	1,2	Bell 103 or equivalent (Manual only)	0.76A (+4.5V) 0.24A (+12V) 0.01A (-12V) 0.05A (-2V)
12880A	EIA/CCITT	—	—	9600	8 bits	1,2	—	0.76A (+4.5V) 0.24A (+12V) 0.01A (-12V) 0.05A (-2V)

HEWLETT  PACKARD



Product Support

EQUIPMENT SUPPLIED – HP 12531C

Teleprinter Interface Card (12531-60022)

Cables

Standard: none

Option 001: EIA terminal cable (12531-60021)

Option 002: Data set cable (12531-60024)

SOFTWARE SUPPLIED

Teleprinter diagnostic (24201-60001)

DOCUMENTATION SUPPLIED

Operating and Service Manual (12531-90033)

Diagnostic Manual (5951-1365)

EQUIPMENT SUPPLIED - HP 12531D

Terminal Interface Card (12531-60025)

Cables

Standard: none

Option 001: EIA terminal cable (12531-60026)

Option 002: Data set cable (12531-60024)

Option 004: HP 2640 cable (12531-60029)

DOCUMENTATION SUPPLIED

Operating and Service Manual (12531-90038)

EQUIPMENT SUPPLIED – HP 12880A

Terminal Interface Card (12880-60001)

Cables

Standard: EIA terminal cable (12880-60003)

Option 001: HP 2640 Cable (12880-60005)

DOCUMENTATION SUPPLIED

Operating & Service Manual (12880-90001)

ORDERING INFORMATION

HP 12531C Teleprinter Interface with Current Loop capability

-001 Add EIA capability, including EIA terminal cable

-002 Add EIA capability, including data set cable

HP 12531D Terminal Interface with Current Loop capability

-001 Add EIA capability, including EIA terminal cable

-002 Add EIA capability, including data set cable

-004 Add EIA capability, including HP 2640A cable

HP 12880A Terminal Interface, EIA compatible, including EIA terminal cable

-001 Add HP 2640A cable



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