

INTERFACE BOARDS (HP 24540B AND HP 24541B)

Discontinued February 1995

PRODUCT INFORMATION

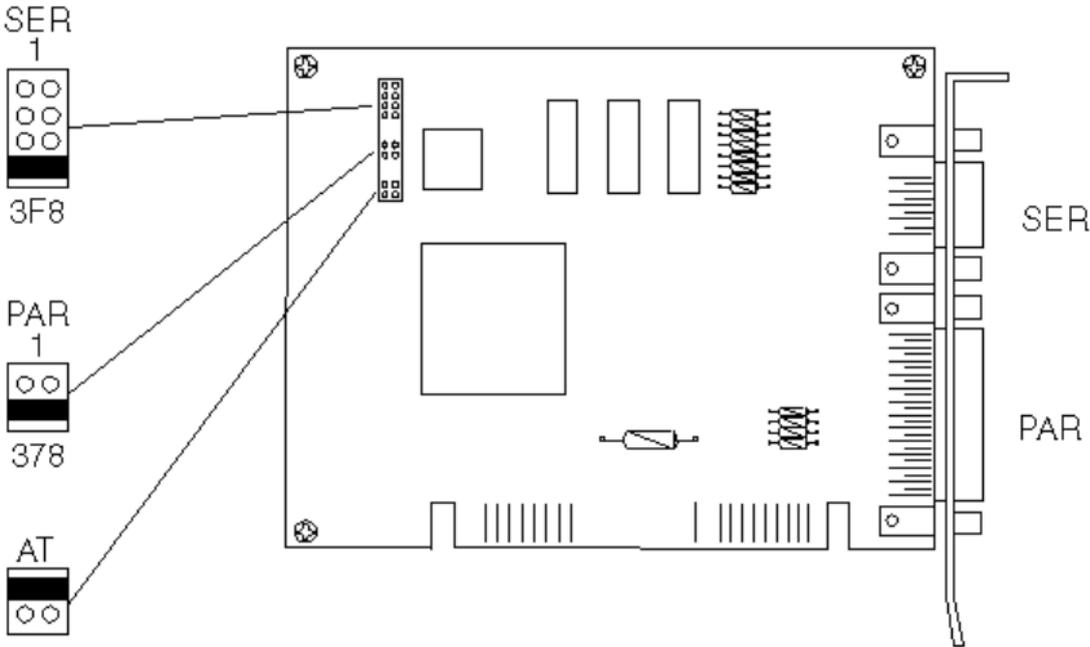
The HP 24540B and HP 24541B interface boards are "half-length" boards each equipped with two data communications ports. The boards are used to increase the number of serial or parallel devices that can be attached to the Vectra PC.

- The HP 24540B (serial/parallel board) has:
 - one 9-pin, RS-232-C serial asynchronous port
 - one 25-pin, 8-bit parallel port (Centronics-compatible).
- The HP 24541B (dual serial board) has:
 - one 9-pin, RS-232-C serial asynchronous port
 - one 25-pin, RS-232-C/HP 422 serial asynchronous port.

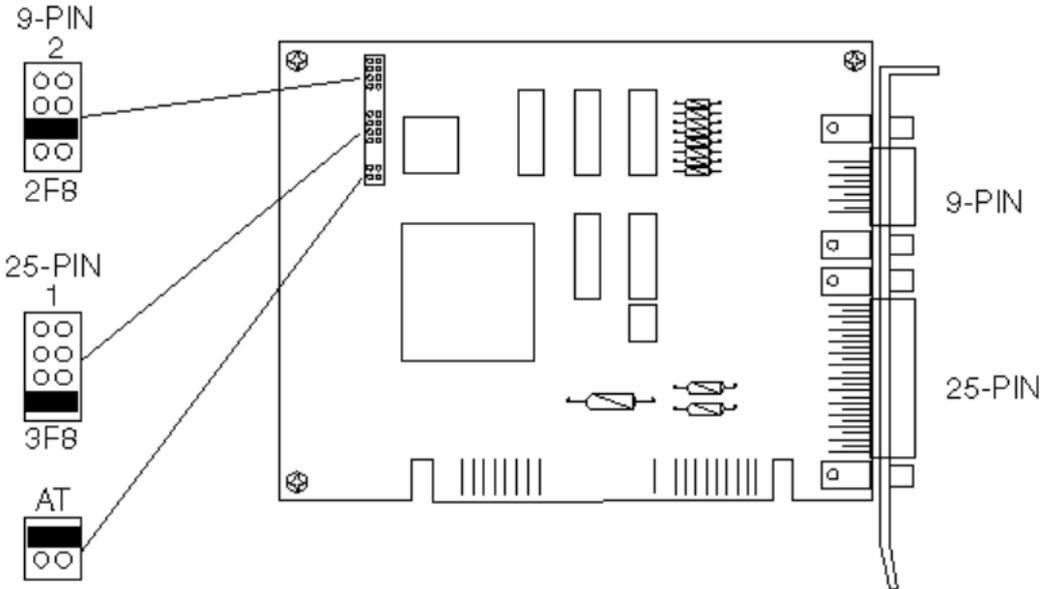
Specifications for Datacommunications Parameters

Parameter	Specification
Baud Rate	From 2 to 19200 baud
Parity	Even, Odd, or None
Character Length	5, 6, 7, or 8 bits
Stop bits	1, 1.5, or 2 stop bits
Access to control monitoring of the RS-232 modem control lines	<ul style="list-style-type: none">• Data Terminal Ready• Request to Send• Clear to Send• Data Set Ready• Data Carrier Detect• Ring Indicator• Data Signal Rate Selector (25-pin of 24541B board only)

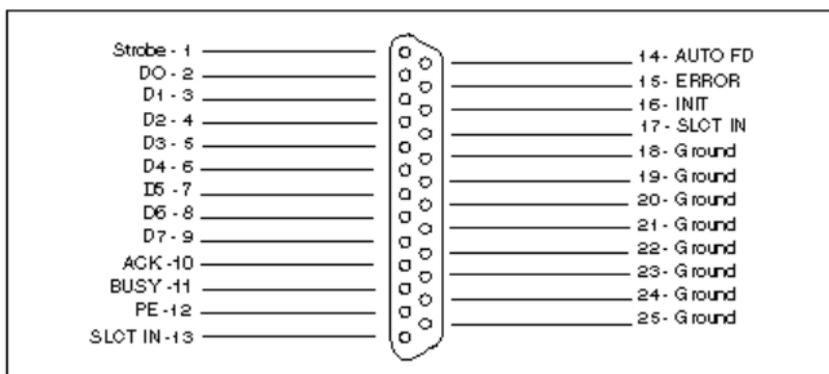
Jumpers on HP 24540B Serial Parallel Interface (Defaults)



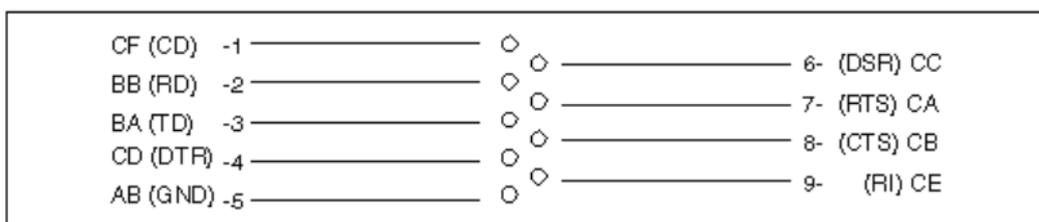
Jumpers on HP 24541B Dual Serial Interface (Defaults)



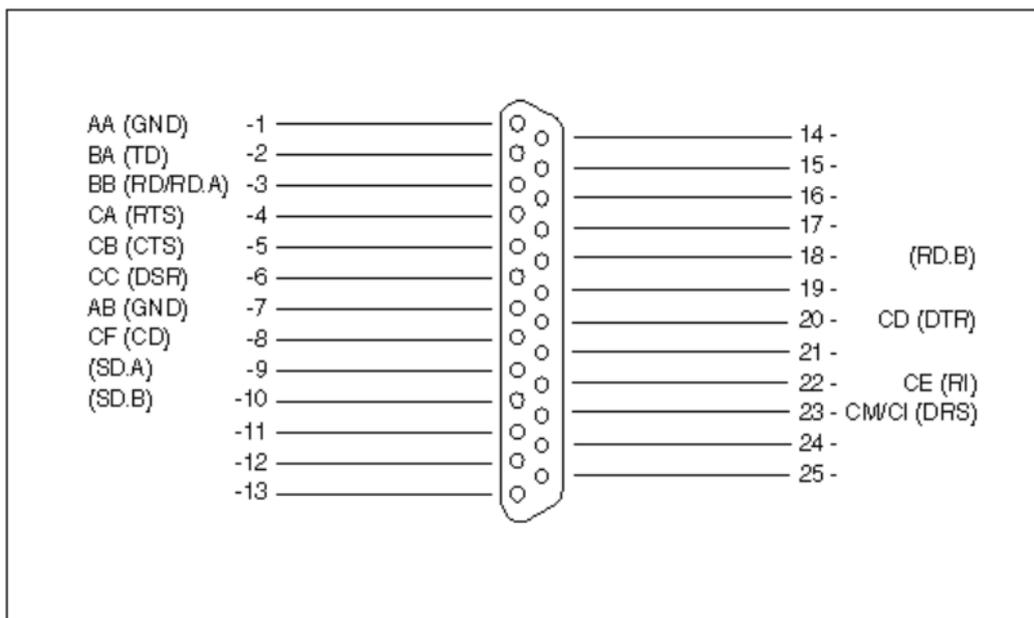
HP 24540B 25-pin Parallel Connector Pinouts



HP 24540B/1B 9-pin Serial Connector Pinouts



HP 24541B 25-pin Serial Connector Pinouts

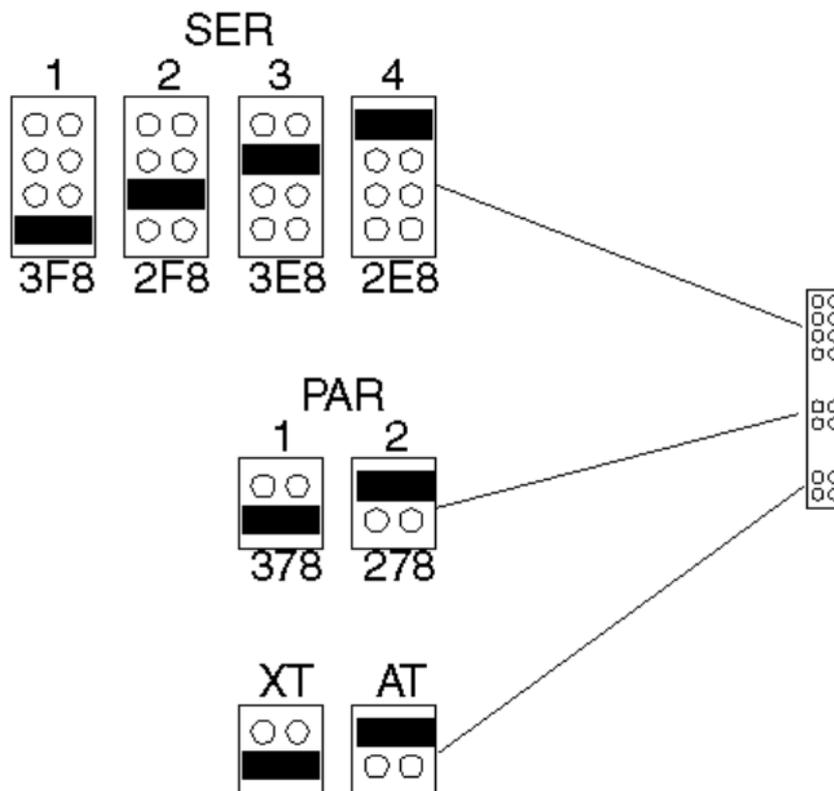


CONFIGURATION

HP 24540B Jumpers

- The 9-pin serial connector can be configured as either:
 - Serial port 1 (COM1, default) using IRQ4 (3F8h)
 - Serial port 2 (COM2) using IRQ3 (2F8h)
 - Serial port 3 (COM3) using IRQ10 (3E8h)
 - Serial port 4 (COM4) using IRQ11 (2E8h).or disabled when no jumper is installed.
- The 25-pin parallel connector can be configured as either:
 - Parallel port 1 (LPT1, default) using IRQ7 (378h)
 - Parallel port 2 (LPT2) using IRQ5 (278h)or disabled when no jumper is installed.
- The board can be configured to operate in either:
 - An IBM AT-compatible computer, such as the Vectra (default)
 - An IBM XT-compatible computer.

HP 24540B Jumpers



HP 24541B Jumpers

1. The 9-pin serial connector can be configured as either:

- Serial port 1 (COM1) using IRQ4 (3F8h)
- Serial port 2 (COM2, default) using IRQ3 (2F8h)
- Serial port 3 (COM3) using IRQ10 (3E8h)
- Serial port 4 (COM4) using IRQ11 (2E8h).

or disabled when no jumper is installed.

2. The 25-pin serial connector can be configured as either:

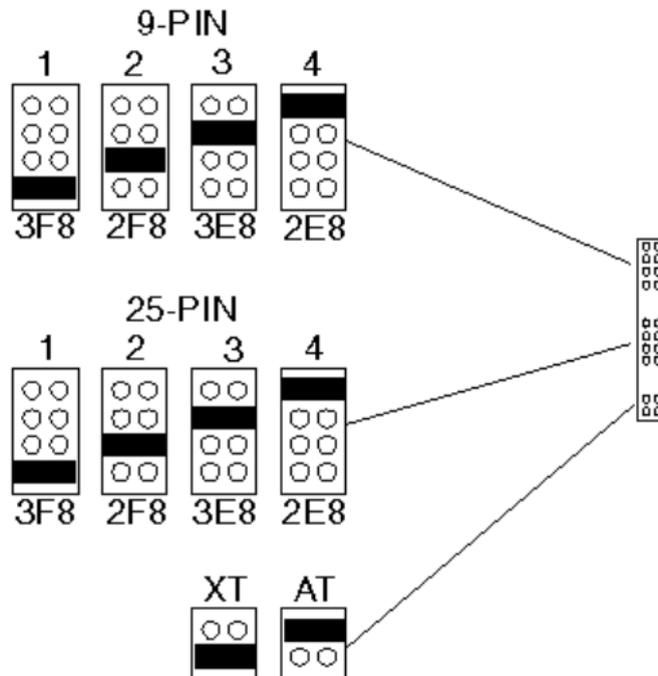
- Serial port 1 (COM1, default) using IRQ4 (3F8h)
- Serial port 2 (COM2) using IRQ3 (2F8h)
- Serial port 3 (COM3) using IRQ10 (3E8h)
- Serial port 4 (COM4) using IRQ11 (2E8h).

or disabled when no jumper is installed.

3. The board can be configured to operate in either:

- An IBM AT-compatible computer, such as the Vectra (default).
- An IBM XT-compatible computer.

HP 24541B Jumpers



I/O INTERRUPTS AND MEMORY MAPS

The boards can use the following I/O space and interrupts:

I/O Map

Setting	I/O Address Used	IRQ Used
COM1	3F8-3FF	4
COM2	2F8-2FF	3
COM3	3E8-3EF	10
COM4	2E8-2EF	11
LPT1	378-37F	7
LPT2	278-27F	5

CONFIGURATION FILES

The HP 24540B configuration file is: !HWP1C00.CNF The HP 24541B configuration file is: !HWP1400.CNF

DRIVERS AND UTILITIES

communications ports. Refer to the MS-DOS manual.

TROUBLESHOOTING TIPS

- Check the board is correctly seated in the computer and correctly configured (no conflicts with other boards).
- Test the datacomm ports using the diagnostic disk.