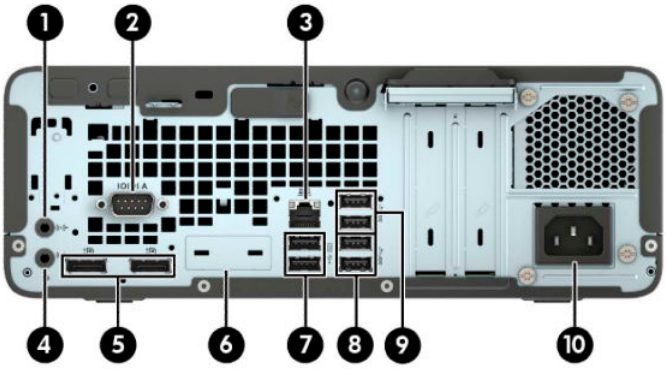
# Rear panel components




| Rear panel components | | | | | |
|---|---|---|---|---|---|
| 1 | | Audio-in jack | 6 | | Optional port |
| 2 | IO\|O\|A | Serial port (optional) | 7 | | USB 2.0 ports with wake from S4 (2) |
| 3 | | RJ-45 (network) jack | 8 | SS | USB 3.1 Gen 1 (2) (5 Gbit/s data speed) |
| 4 | | Audio-out jack for powered audio devices | 9 | | USB 2.0 (2) |
| 5 | | DisplayPort monitor connectors (2) | 10 | | Power cord connector |

**NOTE:** Your model may have additional optional ports available from HP.

When a graphics card is installed in one of the system board slots, the video connectors on the graphics card and/or the integrated graphics on the system board may be used. The specific graphics card installed and software configuration will determine the behavior.

The system board graphics can be disabled by changing settings in BIOS F10 Setup.

# Serial number location

Each computer has a unique serial number and a product ID number that are located on the exterior of the computer. Keep these numbers available for use when contacting customer service for assistance.



| Item | Description |
|---|---|
| | AMD A6-9500 |
| | AMD Ryzen 5 PRO 2400G |
| | AMD Ryzen 3 PRO 2200G |
| **(9)** | **Memory modules** (UDIMM, PC4-2666,NECC) |
| | 16-GB |
| | 8-GB |
| | 4-GB |
| **(10)** | **Speaker** |
| **(11)** | **Hood sensor** |
| **(12)** | **WLAN modules** |
| | Intel 3168 802.11 AC 1x1 with Bluetooth 4.0 (Brazil) |
| | Intel 7265 802.11AC 2x2 with Bluetooth M.2 Combo Card non-vPro (Brazil) |
| | Intel 9260 802.11 AC 2x2 +Bluetooth 5 PCIe non-vPro |
| | Realtek 802.11 AC 1x1 with Bluetooth 4.2 LE M.2 PCIe |
| | Realtek 802.11 AC 2x2 with Bluetooth 4.2 LE M.2 PCIe |
| **(13)** | **AMD Radeon R7 430 2 GB FH PCIe x16 G5 graphics card** (select models only) |
| **(14)** | **Serial+PS/2 port** (select models only) |
| **(15)** | **Antenna cover** |
| **(16)** | **Bezel blank for optical drive slot** |
| **(17)** | **Optical drive latch** |
| * | **Option boards:** |
| | HDMI option board |
| | DisplayPort option board |
| | VGA option board |
| | USB Type-C option board |
| * | **Parallel port**, PCIe card |
| * | **2nd serial port** |
| * | **Card reader assembly** |
| * | **Stand** |
| * | **Power cord** |
| * | **Optical drive bezel** |
| * | **HP USB-C to USB-A Hub** |
| * | **Fan duct** |

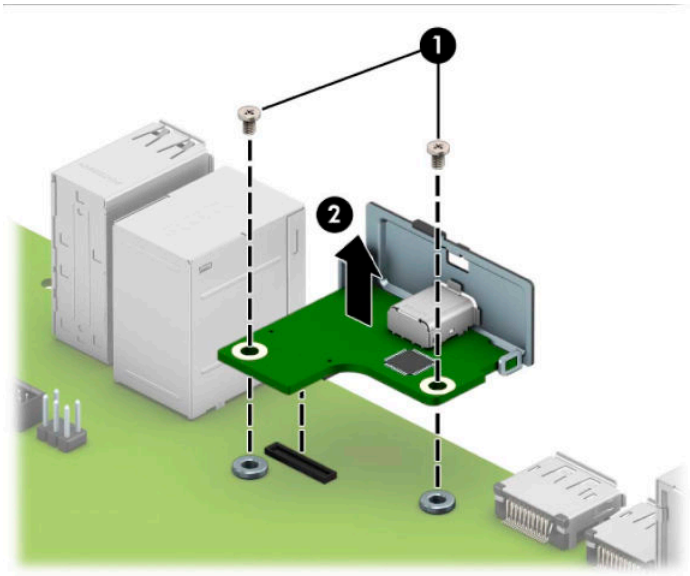
# Option port board

For a list of available option port boards, see Computer major components on page 4.

An option port board can be installed under the heat sink near the back of the system board that provides an additional connector on the rear I/O panel.

To remove the option port board:

1. Prepare the computer for disassembly (Preparation for disassembly on page 17).
2. Remove the access panel (Access panel on page 18).
3. Remove the fan (Fan on page 40).
4. Remove the heat sink (Heat sink on page 41).
5. Remove the two Phillips screws **(1)** that secure the board to the system board.
6. Lift to disengage the board from the system board connector, and then remove the option board from the computer **(2)**.




To install the option port board, reverse the removal procedures.