

Optimal multi-display solution for HP Desktop Mini PCs

By continuously monitoring our customers' needs, we have identified a distinct set of underserved customers, brought out the HP engineering team's innovative ability, and come up with a unique HP solution for them. The HP Video Port Extender[1,2] enhances display capability for HP Mini Desktop PCs introduced in 2025. It features up to two mini-DisplayPort™ outputs, each supporting stunning 5K resolution[3], and allows users to expand their workspace with up to six video outputs when necessary. Designed for seamless integration, it provides flexible configuration without compromising on connectivity. As a cost-effective alternative to standalone discrete graphics cards, it offers balanced performance, versatility, and affordability for multi-display users.

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Target Experience

The HP Video Port Extender[1,2] design enhancement is aimed for:

- **Expand your display capabilities**
  Enjoy up to two additional video outputs via Mini DisplayPort™, each supporting stunning 5K[3] resolution.
- **Seamless customization**
  Effortlessly tailor your setup with the possibility to different user scenarios (such as: 2.5G NIC, dual USB-C®, VGA, ... etc.) with zero compromises.
- **Cost-effective multi-display solution**
  An affordable choice for users who need multiple video ports without breaking the budget.

What is an HP Video Port Extender?

The HP Video Port Extender is a dedicated flex module designed exclusively for the HP EliteDesk Mini Desktop G1i and G1a, enabling users to seamlessly expand their display with two additional video outputs via Mini DisplayPort™. Ideal for multi-screen setups, it enhances productivity and flexibility without compromising system design.



Resolution support for different user scenarios

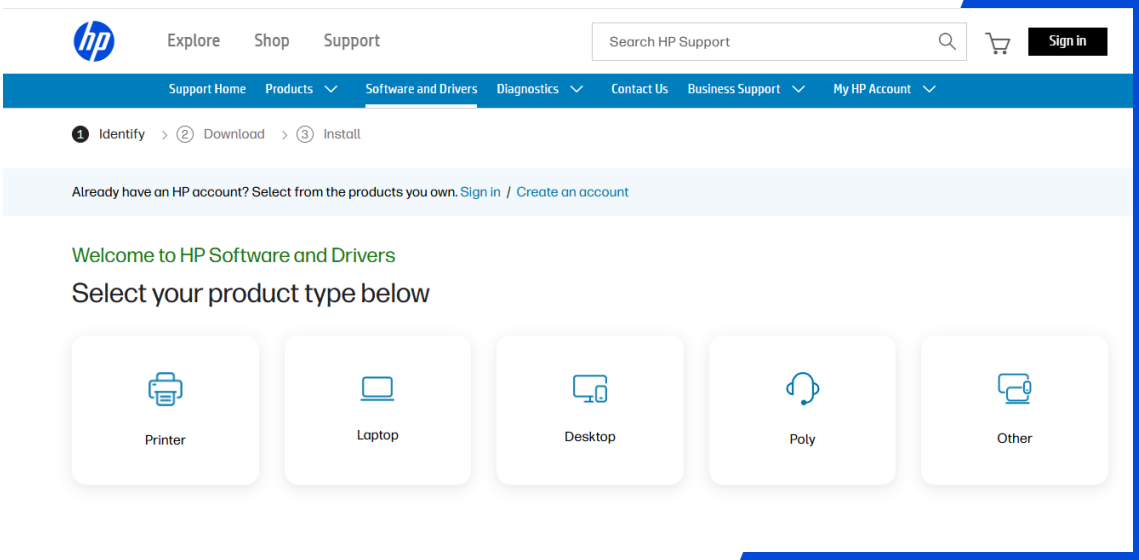
HP Video Port Extender supports different resolutions when connected to one or two monitors. For specific details, please refer to the table below.

Number of Displays	1st Display	2nd Display
Single Display	Up to 8K[4]	N/A
Dual Display	Up to 5K[3]	Up to 5K[3]

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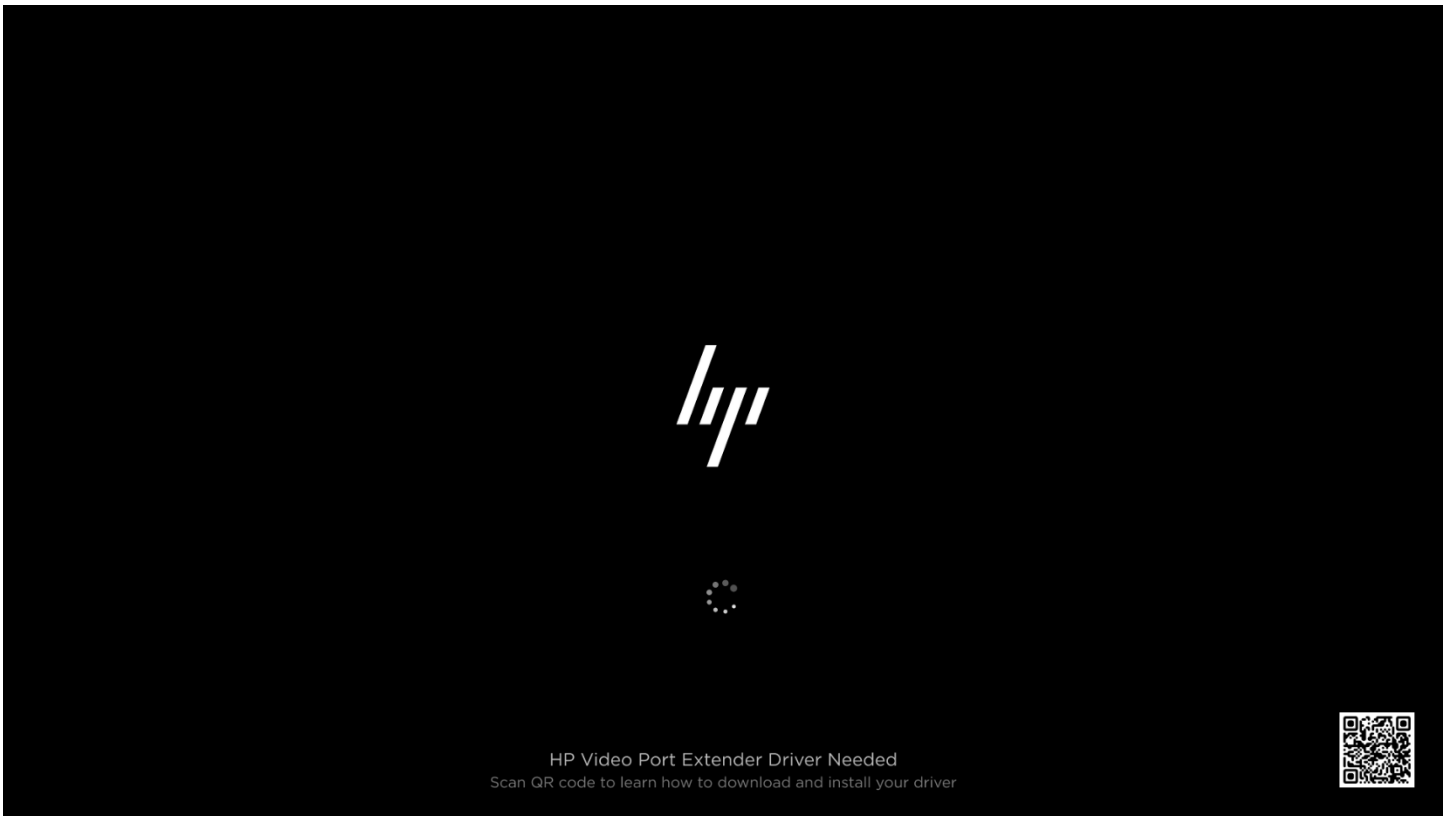
Driver availability

The HP Video Port Extender[1,2] driver will be available on the HP website under the Software and Drivers section once officially launched. https://support.hp.com/us-en/drivers



Driver installation instructions

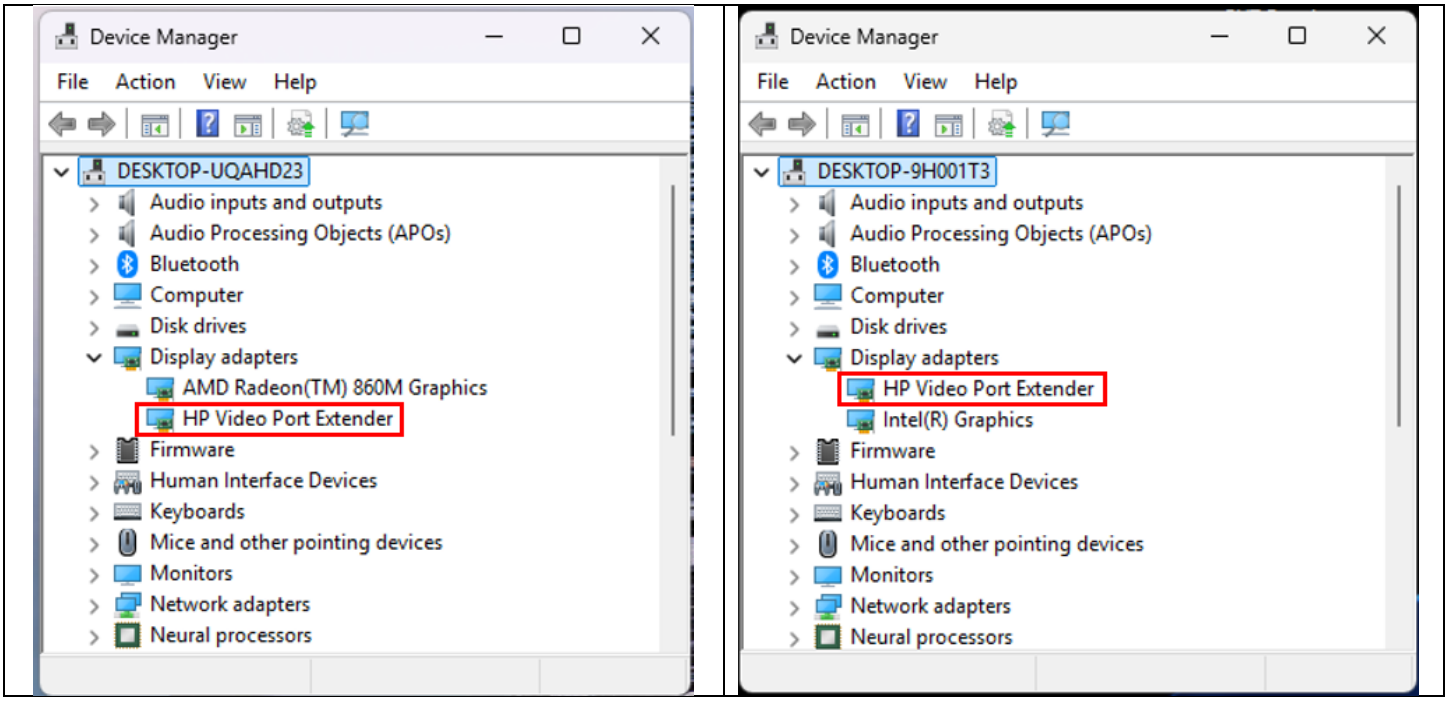
If the HP Video Port Extender driver is not installed, the display may show a pre-boot image featuring the HP logo and a QR code link placed in the bottom right that directs the user to the support page for driver installation.



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4 steps to install the driver

1. **Connect the primary display** to the PC's native video port and power on the device. Wait for Windows to start and for the desktop to appear.
2. **Connect the secondary display** to the HP Video Port Extender.[1,2]
3. **Download and install** the HP Video Port Extender driver from hp.com/drivers.
4. **Restart the PC** to complete the update.



Recommended setup

The HP Video Port Extender functions only after the system enters Windows. To ensure optimal functionality and avoid the limitations, customers must connect the primary display to the device's native video port and configure the HP Video Port Extender as an additional display.

Technical limitations when primary display is connected to HP Video Port Extender

- **No display output**
  There will be no display output before entering OS when the display only connects to the HP Video Port Extender.
- **No pre-boot feature shown**
  Features such as BitLocker, Safe Mode, and BIOS setup menu are not supported on displays connected via the HP Video Port Extender.
- **Incorrect monitor detection**

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When a primary monitor is connected to the HP Video Port Extender[1,2], Windows may incorrectly detect two monitors when the user switches the monitor in different display modes (ex. Extend, PC Only, or Second Screen Only).

- **Unable to auto-switch when primary display is disconnected**
  When the primary display connected to Mini Desktop is disconnected while additional display is connected to HP Video Extender, the display may not switch automatically to the external monitor connected via the HP Video Port Extender.

For further clarification on additional limitations, technical support, and updates, please visit hp.com/support.

Compatible platforms

HP EliteDesk 8 Mini G1i Desktop AI PC
HP EliteDesk 8 Mini G1a Desktop PC
HP EliteDesk 8 Mini G1a Desktop Next Gen AI PC

Disclaimers

1. Optional feature that must be configured at the time of purchase.
2. Support for up to six displays requires the HP Video Port Extender (VPE) selected for flex I/O port 2. (4 native displays + 2 displays with VPE in the optional flex I/O port 2). Must be configured at the time of purchase. Displays sold separately.
3. 5K content required to view full 5K images.
4. 8K content required to view full 8K images.

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