

# HP Pro One 440 G9

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**HP Pro One 440 G9** The HP Pro One 440 G9 is an all-in-one desktop computer designed for business and professional use. It combines performance, sleek design, and productivity features, making it suitable for office environments, remote work, or general-purpose computing. Below are some key features and specifications of the HP Pro One 440 G9:

## Design:

- All-in-one form factor with a slim, space-saving design.
- Built-in display, reducing the need for a separate monitor.
- Modern, professional aesthetics suitable for business environments.

## Display:

- Available in various sizes, typically 23.8-inch or 27-inch options.
- Full HD (1920 x 1080) resolution for clear and sharp visuals.
- Optional touchscreen functionality for intuitive interaction.

## Performance:

- Powered by Intel 12th Gen (Alder Lake) or newer processors (e.g., Intel Core i3, i5, or i7).
- Supports up to 64GB DDR4 RAM for multitasking and demanding applications.
- Integrated Intel UHD Graphics or optional discrete graphics for better performance.

## Storage:

- Configurable with SSD or HDD storage options.
- Supports PCI e NV Me SSDs for faster boot times and data access.

## Connectivity:

- Wi-Fi 6 and Bluetooth 5.0 for wireless connectivity.
- Multiple USB ports (Type-A and Type-C), HDMI, and Ethernet for wired connections.
- Optional RJ-45 Ethernet for stable network connectivity.

## Security:

- Built-in security features like HP Sure Start Gen7, HP Sure Sense, and HP Sure Click for protection against malware and firmware attacks.
- Optional privacy camera and IR facial recognition for secure logins.

## Operating System:

- Typically ships with Windows 11 Pro for enhanced productivity and security.

## Sustainability:

- Designed with eco-friendly materials and energy-efficient components.
- EPEAT Gold and ENERGY STAR certified.

## Use Cases

- **Business Professionals:** Ideal for office work, video conferencing, and multitasking.
- **Remote Work:** Compact design and built-in webcam make it great for home offices.
- **General Productivity:** Suitable for everyday tasks like browsing, document editing, and media consumption.

## Pros

- Space-saving all-in-one design.
- Strong performance with Intel 12th Gen processors.
- Robust security features for business use.
- Optional touchscreen for added versatility.

## Cons

- Limited upgradability compared to traditional desktops.
  - Higher price point compared to basic desktops.
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## Detailed Specifications

### Processor (CPU):

- Intel 12th Gen (Alder Lake) Processors:
- Options include Intel Core i3, i5, or i7.
- High-performance cores for demanding tasks and efficient cores for background processes.
- Supports Intel v Pro technology for remote management and enhanced security (optional).

### Memory (RAM):

- DDR4 RAM:
- Configurable from 8GB up to 64GB.
- Dual-channel memory support for improved performance.
- Storage:
- SSD Options:
- PCI e NV Me SSDs available in capacities like 256GB, 512GB, or 1TB.
- Faster boot times, application loading, and file transfers.
- HDD Options:
- Traditional hard drives available for higher storage capacities (e.g., 1TB or 2TB).
- Hybrid Storage:
- Some configurations may offer both SSD (for OS) and HDD (for data storage).

### Graphics:

- Integrated Graphics:
- Intel UHD Graphics (included with most Intel processors).
- Discrete Graphics (Optional):
- NVIDIA GeForce MX series or similar for better graphical performance.

#### **Display:**

- Size:
- 23.8-inch or 27-inch options.
- Resolution:
- Full HD (1920 x 1080) standard.
- Optional 4K UHD (3840 x 2160) for higher-end models.
- Touchscreen:
- Available as an option for intuitive interaction.
- Anti-Glare Coating:
- Reduces reflections for better visibility in bright environments.

#### **Audio:**

- Dual Speakers:
- Built-in speakers with HP Audio Boost for clear sound.
- Dual Array Microphones:
- Integrated microphones for clear voice pickup during video calls.

#### **Webcam:**

- HD Webcam:
- 720p or 1080p resolution.
- Optional IR Camera for facial recognition login (Windows Hello).
- Connectivity:
- Wireless:
- Wi-Fi 6 (802.11ax) for faster wireless speeds.
- Bluetooth 5.0 for connecting peripherals.

#### **Wired:**

- Multiple USB ports (Type-A and Type-C).
- HDMI output for connecting external displays.
- RJ-45 Ethernet port for wired networking.
- 3.5mm headphone/microphone combo jack.

#### **Operating System:**

- Windows 11 Pro:
- Pre-installed for business and professional use.
- Includes advanced security and management features.

#### **Security Features:**

- HP Sure Start Gen7:

- Protects the BIOS from malware and attacks.
- HP Sure Sense:
- Uses AI to detect and block advanced malware.
- HP Sure Click:
- Isolates browser sessions to protect against web-based threats.
- Kensington Lock Slot:
- Physical security to prevent theft.

### Sustainability:

- Eco-Friendly Design:
- Uses recycled materials in construction.
- ENERGY STAR certified for energy efficiency.
- EPEAT Gold registered for environmental impact reduction.

### Configurations

The HP Pro One 440 G9 is highly customizable to suit different needs. Here are some common configurations:

#### Entry-Level:

- Intel Core i3 processor.
- 8GB RAM.
- 256GB SSD.
- Integrated Intel UHD Graphics.
- 23.8-inch Full HD non-touch display.

#### Mid-Range:

- Intel Core i5 processor.
- 16GB RAM.
- 512GB SSD.
- Integrated Intel UHD Graphics.
- 23.8-inch Full HD touchscreen display.

#### High-End:

- Intel Core i7 processor.
- 32GB RAM.
- 1TB SSD + 1TB HDD.
- Optional discrete graphics (e.g., NVIDIA MX series).
- 27-inch 4K UHD touchscreen display.

### Who Should Buy the HP Pro One 440 G9?

- **Businesses:** Excellent for office environments with its security features and professional design.
- **Remote Workers:** Compact and easy to set up, with built-in webcam and microphones for video conferencing.
- **Creative Professionals:** Optional 4K display and discrete graphics make it suitable for light design work.
- **General Users:** Great for everyday tasks like browsing, streaming, and productivity.

### Pros and Cons (Expanded)

## Pros:

- **All-in-One Convenience:** Combines PC and monitor in one device, reducing clutter.
- **Modern Design:** Sleek and professional look.
- **Strong Performance:** 12th Gen Intel processors and optional discrete graphics.
- **Security Features:** HP Sure Start, Sure Sense, and Sure Click provide robust protection.
- **Customizable:** Wide range of configurations to suit different needs.

## Cons:

- **Limited Upgradability:** RAM and storage may be upgradable, but other components are not.
- **Price:** Higher cost compared to traditional desktops with similar specs.
- **Display Options:** Base models come with Full HD, which may not be sufficient for some users.

## Accessories

- **HP Rechargeable Active Pen:** For touchscreen models.
- **HP Elite Wireless Keyboard and Mouse:** For a complete desktop setup.
- **External Storage:** USB-C or USB-A external drives for additional storage.

## Performance Benchmarks

The HP Pro One 440 G9 is equipped with Intel 12th Gen (Alder Lake) processors, which offer a significant performance boost over previous generations. Here's how it performs in various tasks:

### 1. Productivity Tasks:

- **Microsoft Office Suite:** Handles Word, Excel, and PowerPoint with ease, even with large files.
- **Web Browsing:** Supports multiple tabs in Chrome, Edge, or Firefox without lag.
- **Video Conferencing:** Runs Zoom, Microsoft Teams, or Google Meet smoothly, even with HD video and screen sharing.

### 2. Multitasking:

- With 16GB or 32GB of RAM, the device can handle multitasking effortlessly, such as running multiple applications simultaneously (e.g., Outlook, Slack, and a web browser).

### 3. Creative Work:

- **Photo Editing:** Handles Adobe Photoshop and Lightroom well, especially with discrete graphics.
- **Video Editing:** Capable of light video editing in software like Adobe Premiere Pro or Da Vinci Resolve (4K editing may require higher-end configurations).

### 4. Gaming:

- Integrated Intel UHD Graphics is sufficient for casual gaming (e.g., Minecraft, League of Legends).
- Optional NVIDIA MX discrete graphics can handle more demanding games at medium settings.

