

Overview

HP ProOne 440/490 G3 23.8-inch Non-Touch All-in-One PC



Front

- | | |
|------------------------------------|--|
| 1. USB Type- C™ port | 4. Memory card reader |
| 2. USB 3.0 charging (powered) port | 5. Integrated 1 MP webcam with dual mics |
| 3. Headphone/Microphone | |

Overview



Back

- | | | | |
|----|--------------------|----|-------------------|
| 1. | Security lock slot | 5. | Power LED |
| 2. | (2) USB 2.0 ports | 6. | LAN (Ethernet) |
| 3. | USB 3.0 port | 7. | HDMI |
| 4. | DC power in | 8. | Disk activity LED |

Overview

AT A GLANCE

- Compact All-in-One non-touch form factor
- 23.8" diagonal widescreen FHD¹ IPS WLED-backlit display (1920 x 1080)
- Windows 10 Pro 64 operating system and Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro)
- Intel® H170 chipset supporting both Intel 6th generation and Intel 7th generation Core™ i7 processors
- Processor support up to 35W
- Intel® HD Graphics (varies by processor)
- NVIDIA® GeForce® 930MX 2GB GDDR5 graphics
- Dual display capability with HDMI output
- 16GB of DDR4 Synchronous Dynamic Random Access Memory (SDRAM)
- HP 1TB HDD and optional 128GB M.2 SSD
- 3-in-1 Media Card Reader
- Wired Gigabit Ethernet connectivity
- Wireless LAN 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.0 M.2 combo ²
- Integrated HD 1MP Webcam with dual mics
- Audio by Bang and Olufsen
- ENERGY STAR® certified. EPEAT® Gold registered where applicable/supported. Registration may vary by country. See www.epeat.net for registration status by country.

1. Full High Definition (FHD) content is required to view FHD images.
2. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.

NOTE: See important legal disclosures for all listed specs in their respective features sections.

Features

PRODUCT NAME

HP ProOne 440/490 G3 23.8-inch Non-Touch All-in-One PC

OPERATING SYSTEM

Preinstalled

Windows 10 Pro 64¹

Windows 10 Home 64¹

Windows 10 Home Single Language 64¹

Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro)^{2,3}

Pre-installed (Other)

FreeDOS 2.0

1. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>.
2. This system is preinstalled with Windows 7 Pro software and also comes with a license and media for Windows 10 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
3. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel® and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.

PROCESSORS*, **

*NOTE: Your product does not support Windows 8 or Windows 7, In accordance with Microsoft's support policy, HP does not support the Windows® 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows® 8 or Windows 7 drivers on <http://www.support.hp.com>

**NOTE: Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

Intel® 7th Generation Core™ i7 Processors

Intel® Core™ i7-7700T Processor

35W

Up to 3.8 GHz Max. Turbo Frequency (2.9 GHz base frequency)

8 MB cache, 4 cores, 8 threads

Intel® HD Graphics 630

Supports DDR4 memory up to 2400 MT/s data rate

Intel® 7th Generation Core™ i5 Processors

Intel® Core™ i5-7500T Processor

35W

Up to 3.3 GHz Max. Turbo Frequency (2.7 GHz base frequency)



Features

6 MB cache, 4 cores, 4 threads
Intel® HD Graphics 630
Supports DDR4 memory up to 2400 MT/s data rate

Intel® Core™ i5-7600T Processor
35W
Up to 3.7 GHz Max. Turbo Frequency (2.8 GHz base frequency)
6 MB cache, 4 cores, 4 threads
Intel® HD Graphics 630
Supports DDR4 memory up to 2400 MT/s data rate

Intel® 7th Generation Core™ i3 Processors

Intel® Core™ i3-7100T Processor
35W
3.4 GHz base frequency
3 MB cache, 2 cores, 4 threads
Intel® HD Graphics 630
Supports DDR4 memory up to 2400 MT/s data rate

Intel® 7th Generation Pentium® Processors

Intel® Pentium® G4560T Processor
35W
2.9 GHz Base Frequency
3 MB cache, 2 cores, 4 threads
Intel® HD Graphics 610
Supports DDR4 memory up to 2400 MT/s data rate

Intel® Pentium® G4600T Processor
35W
3.0 GHz Base Frequency
3 MB cache, 2 cores, 4 threads
Intel® HD Graphics 630
Supports DDR4 memory up to 2400 MT/s data rate

Intel® 6th Generation Core™ i7 Processors

Intel® Core™ i7-6700T Processor
35W
Up to 3.6 GHz Max. Turbo Frequency (2.8 GHz base frequency)
8 MB cache, 4 cores, 8 threads
Intel® HD Graphics 530
Supports DDR4 memory up to 2133 MT/s data rate

Intel® 6th Generation Core™ i5 Processors

Intel® Core™ i5-6500T Processor
35W
Up to 3.1 GHz Max. Turbo Frequency (2.5 GHz base frequency)
6 MB cache, 4 cores, 4 threads
Intel® HD Graphics 530
Supports DDR4 memory up to 2133 MT/s data rate

Intel® Core™ i5-6600T Processor
35W



Features

Up to 3.5 GHz Max. Turbo Frequency (2.7 GHz base frequency)
6 MB cache, 4 cores, 4 threads
Intel® HD Graphics 530
Supports DDR4 memory up to 2133 MT/s data rate

Intel® 6th Generation Core™ i3 Processors

Intel® Core™ i3-6100T Processor
35W
3.2 GHz base frequency
3 MB cache, 2 cores, 4 threads
Intel® HD Graphics 530
Supports DDR4 memory up to 2133 MT/s data rate

Intel® 6th Generation Pentium® Processors

Intel® Pentium® G4400T Processor
35W
2.9 GHz Base Frequency
3 MB cache, 2 cores, 2 threads
Intel® HD Graphics 510
Supports DDR4 memory up to 2133 MT/s data rate

Intel® Pentium® G4500T Processor
35W
3.0 GHz Base Frequency
3 MB cache, 2 cores, 2 threads
Intel® HD Graphics 530
Supports DDR4 memory up to 2133 MT/s data rate

CHIPSET

Intel® H170 Chipset

STORAGE*

3.5" SATA 7.2k RPM Hard Disk Drives

500GB 7200RPM 3.5in
1TB 7200RPM 3.5in

3.5" SATA 7.2k RPM Hard Disk Drives and M.2 Solid State Drives

1TB 7200RPM 3.5in and 128GB SSD M.2 PCIe Card

2.5" inch Solid State Hybrid Drives (SSHD)

1TB 5400RPM 2.5in 8GB Hybrid

*For storage drives, GB = 1 billion bytes, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB of system disk is reserved for system recovery software.

Removable Storage

3-in-1 memory card reader*

- Supports Secure Digital (SD, SDHC, SDXC)

* Card sold separately



Features



Features

Memory*

- 2 GB PC4-2133 SDRAM memory (1x2 GB)
- 4 GB PC4-2133 SDRAM memory (1x4 GB)
- 8 GB PC4-2133 SDRAM memory (1x8 GB)
- 8 GB PC4-2133 SDRAM memory (2x4 GB)
- 16 GB PC4-2133 SDRAM memory (2x8 GB)

Memory Sockets:
2 DDR4 SODIMM

* Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.

Memory modules support data transfer rates up to 2133 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.

NETWORKING/COMMUNICATIONS

Networking

Integrated 10/100/1000 GbE LAN

Wi-Fi and Bluetooth®

Wireless LAN 802.11a/b/g/n/ac (1x1) and Bluetooth® 4.0 M.2 combo*,**

* Wireless access point and Internet service required and not included. Availability of public wireless access points limited.

**Bluetooth® function is disabled via BIOS and cannot be enabled by user.

DISPLAY

Features

- 23.8" diagonal widescreen FHD* IPS WLED-backlit display
- Non-touch
- FHD* (1920x1080)

* Full High Definition (FHD) content is required to view FHD images.

Display Panel

Specifications:

Type	IPS WLED Backlit LCD
Active area (mm)	527.04 x 296.46
Native Resolution (HxV)	1920 x 1080
Aspect ratio	16:9
Pixel pitch (HxV)(mm)	0.2745 x 0.2745
Contrast ratio (typical)	1000:1
Brightness (typical)	250nits (cd/m2)
Viewing angle (typical) (HxV)	178 ° x 178 °
Backlight lamp life (to half brightness)	30,000 hours minimum
Color support	Over 16 million colors



Features

Color gamut (typical)	72%
Anti-glare	Yes
Default color temperature	Warm (6500K)

NOTE: All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

GRAPHICS

Integrated Graphics

Intel® HD Graphics (integrated on processor)*

Discrete Graphics

- NVIDIA® GeForce® 930MX with 2GB GDDR5 dedicated memory

AUDIO/MULTIMEDIA

Audio

Audio by Bang & Olufsen*

2x 2W/Channel Speakers

Combo Microphone/Headphone Jack

High Definition Audio

Type	Integrated
HD Audio Codec	Realtek ALC3252 codec
Audio I/O Ports	One combo jack
Analog Audio	Headphone / Microphone
Internal Speaker	Yes – 2W / 4ohm
DAC Sampling Rates	44.1 kHz/48 kHz/96 kHz/192 kHz
ADC Sampling Rates	44.1 kHz/48 kHz/96 kHz/192 kHz

Integrated Webcam* and Microphone

HP TrueVision HD 1MP Camera

Dual array digital microphones

*All HP devices which carry the Bang & Olufsen brand are custom-tuned with Bang & Olufsen's acoustical engineers for precise sound experience in business use.

Features

SOFTWARE

NOTE: Software preinstalled on the system depends upon the configuration selected during the ordering process, and may not be available in every region.

Windows 10 Software

Productivity	Internet Explorer Homepage (MSN or Bing) DropBox ⁴ HP Orbit Amazon (App & URL)
Utilities	HP ePrint Driver ¹ B&O Audio HP Documentation HP Audio Switch HP System Event Utility
Imaging, Photography, Video & Film	CyberLink PowerMedia Player ² CyberLink PowerDirector ² Netflix ⁵
Security	HP Recovery Manager McAfee [®] Checkbox McAfee LiveSafe™ (30-day subscription) ³ Windows Hello (Windows 10 only)
Support	HP JumpStart HP Support Assistant Windows Passport HP Documentation HP Audio Switch HP TouchPoint Manager HP SSRM HP Sure Connect
Others	ENERGY STAR [®] Certified

1. Requires an internet connection to HP web-enabled printer and HP ePrint account registration. For a list of eligible printers, supported documents and image types and other HP ePrint details, see <http://www.hp.com/go/businessmobileprinting>.
2. On 32/64GB systems (including Stream) PowerMedia Player and PowerDirector are excluded and a special lite version of Wild Tangent is used. CyberLink PowerMedia Player is only available if product ships with ODD.
3. 30 day trial subscription. Internet access required to receive updates. First update included. Subscription required for updates thereafter.
4. 25GB of storage for 12 months. Subscription required thereafter or for additional storage capacity.
5. Available in select countries. Please see <https://help.netflix.com/en/node/412#where-is-netflix-available-> for details.



Features

6. [HP Touchpoint Manager](#) requires purchase of a subscription and supports Android™, iOS and Windows 7 (SP1) or Windows 8.1 or higher operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Not available in all countries see www.hp.com/touchpoint for availability information.

POWER

Power Supply

120 W external AC power adapter

- 19.5V/6.15A, 88% efficiency

150 W external AC power adapter

- 19.5V/7.69A, 89% efficiency

WEIGHT & DIMENSIONS

Weight

8.45 Kilograms*

Dimensions (l x w x d)

580 x 191 x 447 mm*

* Weight and system dimensions may fluctuate due to configuration and manufacturing variances

PORTS/SLOTS

Rear Ports

1 – HDMI out

2 – USB 2.0

1 – USB 3.0

1 – RJ-45 10/100/1000 GbE LAN

1 – Power connector

Bottom Ports

1 – Combo Microphone/Headphone Jack

1 – USB 3.0 (charging)

1 – USB 3.0 Type C (Fast charging)

1 – HP 3-in-1 Media card reader*

* Card sold separately

KEYBOARD AND MOUSE COMBO

HP USB Wired Keyboard with volume control and USB Wired Optical Mouse

HP Wireless Keyboard with volume control and Optical Mouse

SECURITY

Trusted Platform Module (TPM) 2.0

Lock slot Supports HP UltraSlim Cable Lock*

* Lock sold separately or purchased as an optional feature

IN THE BOX

ProOne 440/490 G3 23.8" All-in-One Desktop PC



Features

Keyboard and Mouse
External Power Supply
Quick Start Guide

SERVICE AND SUPPORT

HP Services offers limited 1-year or 3-year warranty options depending on country.¹

Limited warranty delivers on-site, next business day² service for parts and labor and complimentary limited technical support.³ Three-year onsite and labor are not available in all countries. Service offers terms up to 5 years by choosing an optional HP Care Pack.⁴ To choose the right level of service for your HP product, visit HP Care Pack Central:

www.hp.com/go/cpc

NOTE 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.

NOTE 2: On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.

NOTE 3: Technical telephone support applies only to HP-configured and third-party HP qualified hardware and software.

NOTE 4: Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

POWER

Unit Environment and Operating Conditions

General Unit Operating Guidelines

- Keep the computer away from excessive moisture, direct moisture and the extremes of heat and cold, to ensure that unit is operated within the specified operating range.
- Leave a 10.2 cm (4 in) clearance on all vented sides of the computer to permit the required airflow.
- Never restrict airflow into the computer by blocking any vents or air intakes.
- Do not stack computers on top of each other or place computers so near each other that they are subject to each other's re-circulated or preheated air.
- Occasionally clean the air vents on the front, back, and any other vented side of the computer. Lint, dust and other foreign matter can block the vents and limit the airflow.
- If the computer is to be operated within a separate enclosure, intake and exhaust ventilation must be provided on the enclosure, and the same operating guidelines listed above will still apply.

Temperature	Operating	41°F to 95°F (5°C to 35°C)
	Non-operating	-4°F to 185°F (-20°C to 85°C)
Relative Humidity (noncondensing)	Operating	10% to 95% @26°C
	Non-operating	5% to 95%



Features

Altitude (unpressurized)	Operating	0 ft to 16405 ft (0 m to 5000m)
	Non-operating	0 ft to 15,000 ft (0 m to 15240 m)
Industry Standard Certifications	UL	Yes
	Australia / NZ A-Tick Compliance	Yes
	FCC Compliance	Yes
	CE Marking Compliance	Yes
	Technicolor Color Certified	Yes

POWER SUPPLY – 120W

Efficiency	EPA Level VI 88%/115Vac & 89%/230Vac
Operating Voltage Range	90 – 264 VAC
Rated Voltage Range	100-240V AC
Rated Line Frequency	50/60 HZ
Operating Line Frequency	47 – 63 Hz
Rated Input Current	120W : 6.15A
DC Output	+19.5V
Power cord length	6.0 ft. (1.83 m)
External Power Adapter	Yes
Total Cord Length	C13 type

POWER SUPPLY – 150W

Efficiency	EPA Level VI 89%
Operating Voltage Range	90 – 264 VAC
Rated Voltage Range	100-240V AC
Rated Line Frequency	50/60 HZ
Operating Line Frequency	47 – 63 Hz
Rated Input Current	150W : 7.69A
DC Output	+19.5V
Power cord length	6.0 ft. (1.83 m)
External Power Adapter	Yes
Total Cord Length	C13 type

ENVIRONMENTAL DATA

ENERGY STAR® certified and EPEAT® Gold registered*
 WEEE compliant
 ERP Lot 3 Tier 2
 RoHS 2 compliant
 Mercury-free display backlights
 Arsenic-free display glass
 Low Halogen****
 CEL

All HP computing products are delivered by SmartWay carriers**

Eligible for recycling or cash back through HP's buyback and recycling program.***



Features

- <http://www.hp.com/go/smbrecycling> (10 units or less)
- <http://www.hp.com/go/businessrecycling> (overview of all business related end of use programs)
- Email recycling.quote@hp.com to get a quote or details on recycling programs

HP Inc's Corporate Environmental Information

For more information about HP's commitment to the environment:

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html>

Environment website

<http://www.hp.com/environment>

Eco-label certifications

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html>

ISO 14001 certificates:

* EPEAT® registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country.

**Designation based on actions to reduce transportation-related emissions. SmartWay: US only. (14e) Free recycling in select countries.

***Program may not be available in your area. Check <http://www.hp.com/go/recycling> to see if HP offers free recycling in your area.

**** External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

Country of Origin

China

Options and Accessories (sold separately and availability may vary by country)

Type	Description	Part #
VESA	HP 400 23.8 G3 AiO VESA Plate	1KE12AA
Security	HP Keyed Cable Lock 10mm Kit	T1A62AA

© Copyright 2017 HP Development Company, L.P. All rights reserved.

The information contained herein is subject to change without notice. The only warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries. Intel, Celeron, Core, Pentium and RealSense are registered trademarks or trademarks of Intel Corporation in the U.S. and/or other countries. Bluetooth is a trademark of its proprietor, used by HP, Inc. under license. USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. NVIDIA, GeForce and NVS are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. ENERGY STAR is a registered trademark owned by the U.S. Environmental Protection Agency. McAfee, the McAfee logo, and LiveSafe are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries.

Change Log

Date of change:	Version History:	Description of change:
April 5, 2017	V1 to V2	Disclaimer added in OS section