HP 110-419 Desktop PC Product Specifications

Product release information

Product number
J4W55AA

Release date
9-Sep-2014

Country/region sold in
Canada

Motherboard

Camphor2

Figure 1: Motherboard view

- Manufacturer: Foxconn
- Form factor: mini-ITX
- Chipset: Combined with the processor
- Memory sockets: 2 x DDR3
- Processor socket: None (processor is soldered to the motherboard)
- Expansion Slots:
  - 1 PCI Express half-length mini card socket
- For more details, see Camphor2 motherboard specifications .

Processor

AMD A8-6410

- CPU speed: 2.0 GHz
- CPU cores: 4
- CPU Cache: 2 MB L2
- TDP: 15 W
- System on a Chip (SoC) design – chipset and processor are combined
- Integrated graphics: AMD Radeon R5 Series

Processor upgrade information

The motherboard supports the AMD Beema APU only. The processor is not upgradable.

Memory

8 GB

- Amount: 6 GB
- Speed: PC3-12800 MB/s
- Type: DDR3-1600

Memory upgrade information

- Single channel memory architecture
- Two 240-pin DDR3 DIMM sockets
- Supports PC3-12800 (DDR3-1600)
- Supports 1 GB, 2 GB, 4 GB, and 8 GB DIMMs
- Supports up to 16 GB (unbuffered) on 64-bit systems

NOTE: Maximum memory shown reflects the capability of the hardware and can be limited further in the operating system.

Video graphics

AMD integrated graphics

- AMD graphics (combined with the processor)
- Supports DX11
- DVI and VGA output ports (both ports can be used at the same time)

Sound/Audio

Integrated Realtek ALC662 Audio

- Audio Codec: Realtek ALC662
- 5.1 channel audio
- Audio jack presence detection

NOTE: Integrated audio is not available if a sound card is installed.

Networking

Wireless LAN 802.11b/g/n

Figure 2: Wireless card – top view

- Interface type: PCI express half-length mini card
- Data transfer speeds: up to 80 Mbps
- Transmission standards: 802.11 b/g/n
- Antennas: Supports both single and dual antenna configurations
- Single band: 2.4 GHz (b/g/n)
- Security:
  - Wired Equivalent Privacy (WEP) supports modes that have 64-bit, and 128-bit keys
  - Support for WPA-PSK and WPA2-PSK in Windows

LAN: 10/100/1G-T

- Technology: Realtek RTL8106E-CG
- Data transfer speeds: up to 10/100 Mb/s
- Transmission standards: 10/100/1G-T Ethernet

Hard drive

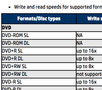
1 TB

- Size: 1 TB
- Interface: SATA
- Rotational Speed: 7200 rpm

CD/DVD disc drive

SuperMulti DVD Burner drive

Figure 3: Optical drive



- Interface: SATA
- Data buffer memory: 2 MB minimum
- Disc diameter: 120 mm
- Write and read speeds for supported formats and disc types are shown in this table:

Formats/Disc types	Write speeds	Read speeds	Storage capacity
DVD			
DVD-ROM SL	NA	up to 16x	up to 4.7 GB
DVD-ROM DL	NA	up to 8X	up to 8.5 GB
DVD+R SL	up to 16x	up to 12X	up to 4.7 GB
DVD+R DL	up to 8x	up to 8x	up to 8.5 GB
DVD+RW SL	up to 8x	up to 8x	up to 4.7 GB
DVD+RW DL	not supported		
DVD-R SL	up to 16x	up to 12x	up to 4.7 GB
DVD-R DL	up to 8x	up to 8x	up to 8.5 GB
DVD-RW SL	up to 6x	up to 8x	up to 4.7 GB
DVD-RW DL	not supported		
DVD-RAM	up to 5x	up to 12x	4.7 GB
CD			
CDROM	NA	up to 40X	up to 700 MB
CDR	up to 40X	up to 40X	up to 700 MB
CDRW	up to 24X	up to 32X	up to 700 MB
CD-DA	NA	up to 32X	up to 700 MB
Video CD	NA	up to 16X	up to 700 MB

Memory Card Reader

7-in-1 multimedia card reader

Figure 4: View of multimedia card reader

Supports the following cards:

- Secure Digital™ (SD)
- Secure Digital High Capacity (SDHC)
- SDXC
- Memory Stick
- Memory Stick Select
- Memory Stick PRO
- Memory Stick MagicGate

Computer Case

Tower

- Height: 36.38 cm (14.32 inches)
- Width: 16.5 cm (6.50 inches)
- Depth: 38.45 cm (15.14 inches)
- Weight 6.0 kg (13.2 lbs) - without packaging

Bay size	Total Bays*
13.33 cm (5.25 inch) ODD	1
8.89 cm (3.5 inch) HDD	1

* Bays may be occupied by existing hardware.

Power Supply

External 65 W (100V-240V)

Total wattage: 65 W

Output voltage: 19.5 V

Output amps: 3.3

I/O Ports

Front I/O ports

- USB 2.0: 2
- Headphone: 1
- Microphone: 1

Back I/O ports

Figure 5: Back I/O ports

1 – DC input power
2 – VGA
3 – DVI-D
4 – USB 3.0: 2
5 – USB 2.0: 2
6 – LAN
7 – Audio: Line in
8 – Audio: Line out
9 – Audio: Microphone

Keyboard, mouse and input devices

HP USB keyboard

NOTE: Keyboard layout, functionality, and color may vary by country/region.

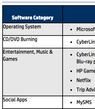
Figure 6: Top view of keyboard

- Interface: USB
- Cable length: 1.33 m (4 feet, 4 inches)
- Dimensions:
  - Height: 27 mm (1.1 inch)
  - Width: 147.6 mm (5.8 inches)
  - Length: 456 mm (18 inches)
- Special buttons*:
  - Volume up
  - Volume down
  - Mute
  - * Buttons are not configurable
- Extended Key:
  - Sleep

HP USB optical mouse

NOTE: Mouse color may vary by country/region.

Figure 7: Top view of mouse



- Interface: USB
- Cable length: 1.8 m (6 feet)
- Buttons: left, right, and clickable scroll wheel

Software

Titles that shipped with PC

NOTE: HP provides basic support for software that comes with the computer. For in-depth feature assistance, refer to the help section in the software or on the software vendor's Web site.

Software Category	Software Title	Recovery Manager: Program Reinstallation
Operating System	• Microsoft Windows 8.1 (64-bit)	• No
CD/DVD Burning	• CyberLink PowerDVD	• Yes
Entertainment, Music & Games	• CyberLink PowerDVD (for CD, DVD and Blu-ray playback) • HP Games • Netflix • Trip Advisor	• Yes • No • No • No
Social Apps	• MyGMS	• No
Productivity	• 7 zip • Accuweather • AMD Quick Access to Miracast • Bing Translator • Box • Evernote • Foxit PhantomPDF • Microsoft Office Trial (online activation required) • The Weather Channel	• Yes • No • Yes • No • No • Yes • Yes • No • No
Imaging, Photography, Video & Film	• CyberLink Photo Director	• Yes
Connected with HP	• HP Connected Music • HP Connected Photo	• No • No
Security	• HP SimplePass • McAfee LiveSafe 2013 (30-day subscription) • McAfee Central	• Yes • No • No
Support	• HP PC Hardware Diagnostics UEFI	• Yes
	• HP Support Assistant	• Yes
Recovery	• HP Recovery Manager	• No
Browser	• Microsoft Internet Explorer 11	• No

NOTE: This support document provides specifications and component images that reflect the original design intention for all PCs of this model. Under certain circumstances, a factory or service provider may install a component that meets or exceeds the listed specification and/or appears different than the image shown.