



# HP 4120 IP Phone Series



## Key features

- Optimized for seamless operation with Microsoft® Lync unified communications
- Support for Microsoft Office 365 integration
- Support for Microsoft "Better Together" mode
- Easy phone installation with PoE connectivity

## Product overview

The HP 4120 IP Phone Series is optimized for use with Microsoft® Lync unified communications and can support the familiar Microsoft Office 365 desktop suite combined with the latest, cloud-based versions of Microsoft's next-generation communications and collaboration services.

The HP 4120 IP Phone Series supports all Lync-optimized IP phone features, including Microsoft "Better Together" mode, which leverages Lync's powerful collaboration capabilities.

The HP 4120 IP Phone Series is ideal for small enterprises and small-to medium-sized businesses that wish to reduce infrastructure spending and achieve the benefits of unified communications delivered through cloud services.

## Features and benefits

### HP AllianceOne integration

- **Optimized for seamless operation with Microsoft Lync unified communications**

provides a rich set of unified communications features; supports Microsoft "Better Together" mode and Microsoft Office 365 integration; is designed for standalone operation in a Lync environment; delivers ease of configuration and installation

### Connectivity

- **Dual Gigabit Ethernet ports**

allows Gigabit Ethernet connectivity as well as pass-through capability

- **IEEE 802.3af Power-over-Ethernet (PoE) Class 2 support**

simplifies deployment and dramatically reduces installation costs by helping to eliminate the time and cost involved in supplying local power; supports an optional external power supply unit adapter where PoE is not available

- **USB host and device support**

allows USB connectivity for "Better Together" connectivity

- **Headset port**

provides wideband frequency response for use with optional external headset

### Convergence

- **LLDP-MED (Media Endpoint Discovery)**

defines a standard extension of LLDP that stores values for parameters such as QoS and VLAN to automatically configure network devices such as IP phones

### Phone characteristics

- **Microsoft Real Time Audio (RTA) technology**

is designed for both high-quality wideband and narrowband Voice over IP (VoIP) applications

- **G.722 wideband audio codec support**

delivers voice calls with high-definition audio quality

- **G.711 pulse-code modulation support**

provides support for legacy voice encoding (A-law,  $\mu$ -law)

- **Support for wide variety of audio codec and acoustic performance requirements**

provides quality voice communications, improving collaboration, boosting productivity, and reducing operating costs

- **Handset and speakerphone audio outputs**

supports wideband and Hearing Aid Compatibility (HAC) outputs; full-duplex speakerphone (compliant with IEEE 1329 Type 1) supports acoustic echo cancellation and provides wideband speaker and microphone

- **User interface**

includes 3.5-inch TFT display (320 x 240 pixels), Unicode character capability, and LCD backlight with automatic display dimming on idle; supports multiple languages

- **Software features**

basic mode supports contacts, photos, and standard enterprise IP-PBX features such as CAC, survivability, E911 (U.S. only), and call park; enhanced mode provides individual voicemail listings, calendar, and conference features; provides teleworker support

- **LED display**

provides easy visual indicator of important phone features and status

### Warranty and support

- **1-year warranty**

with advance replacement and 30-calendar-day delivery (available in most countries)

# HP 4120 IP Phone Series

## Specifications



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**HP 4120 IP Phone (J9766B)**

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**Ports** 2 RJ-45 auto-negotiating 10/100/1000 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE)

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**Physical characteristics**

8.86(w) x 1.65(d) x 9.37(h) in (22.5 x 4.19 x 23.8 cm) (OU height)

Weight 3.31 lb (1.5 kg), Fully loaded 1.5 kg

Full configuration weight 3.31 lb (1.5 kg)

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**Environment**

Operating temperature 32°F to 104°F (0°C to 40°C)

Operating relative humidity 10% to 90%, noncondensing

Nonoperating/Storage temperature -40°F to 185°F (-40°C to 85°C)

Nonoperating/Storage relative humidity 20% to 90%, noncondensing

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**Safety** UL 60950-1; CAN/CSA 22.2 No. 60950-1; EN 60950-1; ICES-003; FCC Part 15, Subpart B; GOST; EN 55022 Class A; EN 55024: 1998; C-Tick; VCCI Class A

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**Phone characteristics**

Fixed feature buttons Alphanumeric keys (0–9), \*, and #; Speakerphone, Mute, Volume Up/Down/Select, Home and Back navigation, and Headset (21 total)

Soft keys Menu plus 2 soft keys

Display type TFT display

Display size 3.5 in.

Display pixel resolution 320 x 240 pixels

Desk stand Included

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**Emissions** CISPR 22 Class B; EN 55022 Class B; EN 55024; ICES-003 (Canada); ICES-003 Class B; VCCI (Japan); FCC Part 15, Class B; GOST; KCC Class A

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**Notes**

Microsoft Lync unified communications support:

- Seamless operation with all Lync-optimized IP phone features
- Microsoft Office 365 integration
- Microsoft "Better Together" mode
- Standalone operation in a Lync environment
- Latest WinCE rollup
- Client-side Music on Hold

Acoustic performance highlights:

- Voice activity detection (VAD)
- Comfort noise generation (CNG)
- Acoustic echo cancellation (AEC)
- DTMF tone generation/DTMF event RTP payload
- Packet loss concealment
- Low-latency audio packet transmission
- Adaptive jitter buffers
- Background noise suppression
- Automatic gain control (AGC)
- Dynamic noise reduction
- Volume control for each audio output

Available user languages:

- English, French, Brazilian Portuguese, Spanish, German, Italian, Dutch
- Russian, Turkish, Polish, Czech, Slovak, Hungarian, Romanian, Ukrainian, Croatian
- Japanese, Korean, Simplified Chinese, Traditional Chinese
- Finnish, Swedish, Norwegian, Danish

LED status indicators:

- Presence indicator
  - Other LEDs for Mute, Speaker, Ringing/In Call/Hold, Headset, and Voicemail
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**Services** Refer to the HP website at [www.hp.com/networking/services](http://www.hp.com/networking/services) for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

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## HP 4120 IP Phone Series accessories

### Power Supply

HP IP Phone 5V Power Supply (J9767A)

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**To learn more, visit [hp.com/networking](http://hp.com/networking)**

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