

### Overview

## HPE 4120 IP Phone Series

### Models

HP 4120 IP Phone

J9766C

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### 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
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### Product overview

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

The HPE 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.

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### Features and benefits

#### HPE 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

## Overview

### 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**  
See <http://www.hpe.com/networking/warrantysummary> for warranty and support information included with your product purchase

## Technical Specifications

### HP 4120 IP Phone (J9766C)

<b>I/O ports and slots</b>	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)	
<b>Physical characteristics</b>	<b>Dimensions</b>	8.86(w) x 1.65(d) x 9.37(h) in (22.5 x 4.19 x 23.8 cm) (OU height)
	<b>Weight</b>	3.31 lb (1.5 kg) shipping weight
	<b>Full configuration weight</b>	3.31 lb (1.5 kg)
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	10% to 90%, noncondensing
	<b>Non-operating/Storage temperature</b>	-40°F to 185°F (-40°C to 85°C)
	<b>Nonoperating/Storage relative humidity</b>	20% to 90%, noncondensing
<b>Electrical characteristics</b>	<b>Voltage</b>	Powered by PoE (depending on power supply chosen)
<b>Safety</b>	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	
<b>Phone characteristics</b>	<b>Fixed feature buttons</b>	21
	<b>Soft keys</b>	3
	<b>Four-way navigation control</b>	No
	<b>Display type</b>	TFT display
	<b>Display backlit</b>	No
	<b>Display size</b>	3.5 in. (8.89 cm) Color
	<b>Display pixel resolution</b>	320 x 240 pixels
	<b>Desk stand</b>	Included
	<b>Platforms Supported</b>	Microsoft Lync
<b>Emissions</b>	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	
<b>Features</b>	Microsoft Lync unified communications support:	
	<ul style="list-style-type: none"> <li>• Seamless operation with all Lync-optimized IP phone features</li> <li>• Microsoft Office 365 integration</li> <li>• Microsoft "Better Together" mode</li> <li>• Standalone operation in a Lync environment</li> <li>• Latest WinCE rollup</li> <li>• Client-side Music on Hold</li> </ul>	
	Acoustic performance highlights:	
	<ul style="list-style-type: none"> <li>• Voice activity detection (VAD)</li> <li>• Comfort noise generation (CNG)</li> <li>• Acoustic echo cancellation (AEC)</li> <li>• DTMF tone generation/DTMF event RTP payload</li> </ul>	

## Technical Specifications

- 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

## Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.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 Hewlett Packard Enterprise sales office.

## Accessories

**HPE 4120 IP Phone  
Series accessories**

**Power Supply**  
**HP IP Phone 5V Power Supply**

J9767A

## Accessory Product Details

### HP IP Phone 5V Power Supply (J9767A)

<b>Physical characteristics</b>	<b>Dimensions</b>	3.7(d) x 1.51(w) x 1.17(h) in. (9.4 x 3.84 x 2.96 cm)
	<b>Weight</b>	0.38 lb. (0.17 kg) power adapter and US power cord
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	10% to 90%, noncondensing
<b>Electrical characteristics</b>	<b>DC voltage</b>	5V DC
	<b>Current</b>	3 A
	<b>Power output</b>	15 W
	<b>Notes</b>	<b>Notes continuous power</b>
<b>Safety</b>	CE Labeled; UL 60950-1; EN 60950	
<b>Emissions</b>	EN 55022 Class B; FCC Part 15, Class B	
<b>Immunity</b>	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Harmonics</b>	IEC 61000-3-2
	<b>Flicker</b>	IEC 61000-3-3
<b>Notes</b>	Weight will vary due to power cords in various countries and due to packaging.	
<b>Services</b>	Refer to the Hewlett Packard Enterprise website at: <a href="http://www.hpe.com/networking/services">http://www.hpe.com/networking/services</a> for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

## Summary of Changes

Date	Version History	Action	Description of Change
11-Dec-2015	From Version 2 to 3	Changed	SKU number changed from J9766B to J9766C
01-Dec-2015	From Version 1 to 2	Changed	QuickSpecs name changed to HPE 4120 IP Phone Series  Product overview, Features and benefits and Technical Specifications were updated



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