Data sheet

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, μ-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)

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Specifications

HP 4120 IP Phone (J9766B)

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)
Physical characteristics	
	8.86(w) x 1.65(d) x 9.37(h) in (22.5 x 4.19 x 23.8 cm) (0U height)
Weight	3.31 lb (1.5 kg), Fully loaded 1.5 kg
Full configuration weight	3.31 lb (1.5 kg)
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
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
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
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
Notes	Microsoft Lync unified communications support:

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

Services

Refer to the HP website at **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.

HP 4120 IP Phone Series accessories

Power Supply

HP IP Phone 5V Power Supply (J9767A)

To learn more, visit hp.com/networking