



HP 4120 IP Phone

Data sheet

Product overview

The HP 4120 IP Phone is a Microsoft® Lync optimized knowledge worker desktop telephone. 4120 IP phones can operate stand alone in a Lync environment and are cost-effective and ideal for deployments in employee desktops. HP 4120 IP Phones provide Power over Ethernet (PoE) connectivity as well as an optional power adapter in places where PoE is not available. They are well suited for daily usage in Microsoft Lync UC environments. Users can log into their Microsoft Lync user accounts by entering their PINs on the phones, which allows them to access voicemail, personal contacts, and any customized user profile settings.

Key features

- Microsoft Lync optimized desktop IP phone
- Standalone operation in a Lync environment
- Power over Ethernet (PoE) connectivity



Features and benefits

HP AllianceONE integration

- **Microsoft Lync optimized IP phone:** provides ease of configuration and installation; is compatible with other survivable branch appliances for Microsoft Lync

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 external power supply unit adapter (optional)
- **USB host and device support:** allows USB connectivity for 'Better Together' connectivity
- **Headset port:** allows external headset connectivity (not supplied); headset port also provides wideband frequency response

Convergence

- **LLDP-MED (Media Endpoint Discovery):** is 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 support:** wideband audio that delivers voice calls with superior audio quality
- **G.711 (A-law, μ -law) support:** provides support for legacy voice encoding
- **Codecs and acoustic performance:** provides support for codec and acoustic performance requirements, including 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, and volume control for each audio output

- **Handset and speakerphone audio outputs:** supports wideband and Hearing Aid Compatibility (HAC); full-duplex speakerphone (compliant with IEEE 1329 Type 1) supports acoustic echo cancellation and provides wideband speaker and microphone
- **User interface and languages:** provides 3.5-inch TFT display (320 x 240 pixels) with Unicode character capability; display features LCD backlight with automatic display dimming on idle; supports the following languages: English, French, Spanish, German, Italian, Dutch, Russian, Brazilian Portuguese, Japanese, Korean, Simplified and Traditional Chinese, Finnish, Swedish, Norwegian, and Danish
- **Software features:** Basic Mode supports Contacts, Photos, Standard Enterprise IP-PBX features such as CAC, Survivability, E911 (U.S. only), and call park; also provides teleworker support; Enhanced Mode provides individual voicemail listings, calendar, and Join Conference features
- **LED:** provides Presence Indicator; other LEDs include Mute, Speaker, Ringing/In Call/Hold, Headset, and Voicemail
- **Warranty:** 1-year warranty

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Specifications



HP 4120 IP Phone (J9766A)

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	
Dimensions	1.65(d) x 8.86(w) x 9.37(h) in. (4.2 x 22.5 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), *, #, Speakerphone, Mute, Volume Up/Down/Select, Home and Back, and Headset
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
Features	User interface <ul style="list-style-type: none">- 3.5 in. backlit color LCD (no touchscreen)- 24 keys, including 3 softkeys- Home and back keys- 2-way navigation key- 2 volume keys- Full numerical keypad (0–9, #, and *) User language <ul style="list-style-type: none">- English- French- Spanish- German- Italian- Dutch- Russian- Brazilian Portuguese- Japanese- Korean- Simplified Chinese- Traditional Chinese- Finnish- Swedish- Norwegian- Danish
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 accessories

Power Supply

HP IP Phone 5V Power Supply (J9767A)

To learn more, visit www.hp.com/networking

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