

Brochure

Communicate over IP phones— simply and easily.

HP 4110 and HP 4120 IP phones, optimized for
Microsoft Lync



The HP and Microsoft advantage

Businesses are responding to changing work styles with integrated productivity tools that allow end users to communicate from outside the office in a cost-effective and secure manner. Microsoft® Lync brings together the different ways in which people communicate in a single infrastructure.

HP introduces the HP 4110 common area and HP 4120 desktop IP phones optimized for the Microsoft Lync environment. These natively integrated unified communications (UC) devices deliver rich presence, clear, high-definition audio and seamless plug-and-play functionality. This family of IP phones provides customers with integrated, tested, and certified IP phones, fine-tuned for Microsoft Lync and engineered to meet high quality standards from HP.



HP 4110 and 4120 IP phones features and benefits

Ease of use

- The HP 4110 and 4120 IP phones optimized for Microsoft Lync can be automatically configured for “hot-desking” capabilities with Gigabit connectivity speeds.
- These phones are easily configured and installed. They are LLDP-MED compliant enabling “plug-and-play” installation.
- The HP IP phones allow users to synchronize with Microsoft applications seamlessly and users are also able to access their contact information from a common area phone using their Lync pin number.

Superior voice quality and reliability

- The HP 4110 and 4120 IP phones offer wideband audio that delivers voice calls with superior audio quality. These phones also provide support for legacy voice encoding.

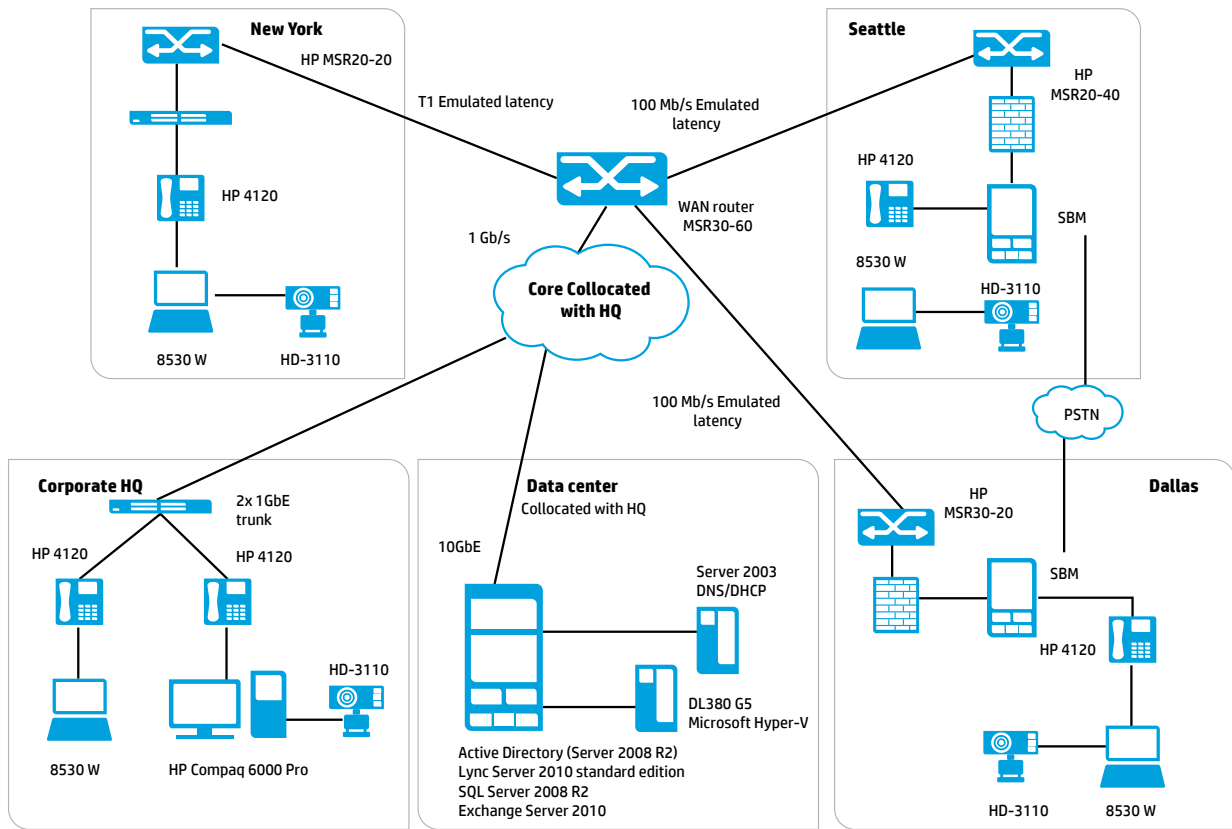
Cost-effective

- These phones offer IEEE 802.3af Power over Ethernet (PoE) support, which simplifies deployment and reduces installation costs required by supplying local power to the phones.
- HP is the single point of contact for hardware, data and voice networking, and support.

Figure 1. HP 4110 and HP 4120 IP phones



Figure 2. Typical Enterprise Deployment



Solution features

HP 4120 Desktop IP Phone

Features:

- Microsoft RTAudio technology: designed for both high-quality wideband and narrowband VoIP applications
- G.722 support—wideband audio that delivers voice calls with superior audio quality
- G.711 support—provides support for legacy voice encoding

Codecs and acoustic performance:

Support for codec and acoustic performance requirements including voice activity detection

- Comfort noise generation
- Acoustic echo cancellation
- DTMF tone generation/DTMF event RTP payload
- Packet loss concealment
- Low latency audio packet transmission
- Adaptive jitter buffers
- Background noise suppression
- Automatic gain control
- Dynamic noise reduction
- Volume control for each audio output



Handset and speaker audio outputs:

- Handset supports wideband and hearing aid compatible support
- Full duplex speakerphone (compliant with IEEE 1329 Type 1)
- Supports acoustic echo cancellation and provides wideband speaker and microphone
- Headset port allows external headset connectivity (not supplied)

Headset port also provides wideband frequency response.

- PoE connectivity
- Dual gigabit ports allows Gigabit connectivity as well as pass-through capabilities
- USB host and device support

Software features:

- Basic Mode supports contacts, photos, standard enterprise IP-PBX features such as CAC, Survivability, E911 (U.S. only), and call park.
- Provides teleworker support.
- Enhanced Mode provides individual voice mail listings, Calendar, and “join conference” features.
 - Large 3.5-inch backlit color LCD (no touch screen) in TFT color display provides rich presence status, enhanced contact cards, and directory information
 - Keypad—23 keys, including 3 soft keys and full numeric keypad (0–9, #, *)
 - Home and back keys
 - 2-way navigation keys

- 2 volume keys
- Available in 16 user languages
- Optional wall mount display

HP 4110 Common Area IP Phone

Features:

- Stand-alone operation in a Microsoft Lync environment
- PoE connectivity
- Dual gigabit ports for “hot-desking” capabilities
- Microsoft RTAudio technology: designed for both high-quality wideband and narrowband VoIP applications
- G.722 support—wideband audio that delivers voice calls with superior audio quality
- G.711 support—provides support for legacy voice encoding
- Device-only user mode makes it ideal for deployment in public areas
- Large 3.5 backlit color LCD (no touch screen) in TFT color display provides rich presence status, enhanced contact cards, and directory information
- Keypad—23 keys including 3 soft keys and full numeric keypad (0–9, #, *)
 - Home and back keys
 - 2-way navigation keys
 - 2 volume keys
 - Available in 16 user languages



Solution benefits

Ease of use

- Simplified pin authentication offers easy sign-in to view personalized content

Superior voice quality and reliability

- High definition, wideband audio with technology for excellent voice call quality

Cost-effective

- IEEE 802.3af PoE support

Solution components

HP 4110 IP Phone (J9765A)

Physical characteristics

- Dimensions 1.42(d) x 7.2(w) x 9.37(h) in. (3.6 x 18.3 x 23.8 cm) (OU height)
- Weight 2.65 lb. (1.2 kg), fully loaded 1.2 kg
- Full configuration weight 2.65 lb. (1.2 kg)

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)

HP 4120 IP Phone (J9766A)

Physical characteristics

- Dimensions 1.65(d) x 8.86(w) x 9.37(h) in. (4.2 x 22.5 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)
- 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)

For additional product details, see HP 4110 and 4120 IP phone data sheets at hp.com/networking.

Additional Microsoft Lync solutions from HP

HP Survivable Branch Communication zL Module powered by Microsoft Lync

HP Survivable Branch Communication zL Module (SBM) powered by Microsoft Lync provides survivable branch services, such as external phone call capability, while sustaining internal peer-to-peer communications when the data center cannot be reached. SBM combines Microsoft Lync survivable branch application and software from HP, including a public switched telephone network (PSTN) to VoIP gateway, a graphical user interface, management interfaces, and an application programming interface to the switch itself, all of which are integrated on a module that fits in the chassis of HP 8200 zL and 5400 zL Switch Series. For more information, visit hp.com/networking.



HP Services

With HP Virtual Workplace Solutions, we bring together an end-to-end portfolio of products, services, and partnerships to enable your voice communications. We support every stage of your transformation to a virtual workplace environment through:

Assessments

- UC Readiness Service
- Network Assessment Service
- Video Assessment Service

Strategy and planning

- UC Transformation Experience Workshop
- UC Business Benefits Workshop
- UC Strategic Architecture Service

People and process

- Workplace Redesign with UC
- Management of Change for UC

Enablement Services

- Unified Messaging Enablement Service
- Web Collaboration Enablement Service
- Video Collaboration Enablement Service
- Data Collaboration Enablement Service

Partner technologies

- Microsoft
- Polycom

- Alcatel Lucent
- Avaya

In the transformed workplace, users are given customized workplace arrangements and tools, which can help them do their jobs better, faster, in a more cost-effective manner. The corporate desktop no longer has to be a physical machine. In some cases, users can access their desktop from whatever device is most convenient at any given time and location, and they can complete all of their activities (work and personal) from the same device without security compromises.

Why HP and Microsoft?

Business leaders are rethinking how employees communicate, collaborate, and innovate. They are finding unique value in the integrated solutions delivered by HP in partnership with Microsoft that increase efficiency, lower costs, and decrease risk while accelerating business growth.

Why HP?

Using open networking platforms as its foundation, HP enables customers to securely and economically integrate within their infrastructure, a wide choice of proven network applications and services—rigorously tested and certified to enable interoperability—from both HP and its AllianceONE partners.

Global citizenship at HP

At HP, global citizenship is our commitment to hold ourselves to high standards of integrity, contribution, and accountability in balancing our business goals with our impact on society and the planet. To learn more, visit hp.com/hpinfo/globalcitizenship, and for information about HP environmental programs, go to hp.com/environment.

Learn more

For more information about how HP and Microsoft Unified Communications and Collaboration solutions can increase productivity, reduce complexity, and enhance security, visit hp.com/networking/allianceone-microsoft.

Get connected

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Get the insider view on tech trends, support alerts, and HP solutions.

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