



# Cisco IP Phone 8800 Series

## High-quality video, voice, and mobile communications for every user

Our global, 24-hour economy calls for anytime, anywhere access by employees. Whether you are working from a primary or shared desk in an office, are teleworking from home, are mobile within a campus, or are in a team meeting in a conference room, desktop endpoints and their capabilities remain very important business tools. With multiple investment priorities, such as migration to the cloud and adoption of collaborative team applications, businesses today need to ensure that desktop investments can not only drive cost efficiencies and faster feature delivery, but also increase user productivity with a superior experience.

That's where the Cisco® IP Phone 8800 Series comes in (Figure 1). This next-generation IP phone portfolio, designed for small to very large businesses, delivers advanced, cost-effective, reliable, secure, and scalable high-quality Voice over IP (VoIP) communications on all models. It also provides on select models: (1) affordable entry to High-Definition (HD) video communications; (2) integration of telephony features with personal mobile devices using [Cisco Intelligent Proximity](#) technology; (3) support for in-campus mobile workers who require more rugged and resilient communication devices due to their rigorous work roles and environments. The breadth of the 8800 Series portfolio, their sleek and ergonomically friendly design, enhanced user experience, and superb audio performance distinguish these IP phones from any other offerings on the market today.

## Benefits

- **Affordable entry** to HD 720p video, helping you bring teams closer together for faster decision making
- **Enhance collaboration** with advanced VoIP features and crystal-clear audio performance
- **Increase productivity by importing** contacts and call history from personal mobile devices to select 8800 Series phones. Even move audio during active calls between these devices!
- **Expand return on investment** with additional line and feature keys available through optional software features and new key expansion modules
- **Stay engaged** with your in-campus mobile workers whose roles require rugged VoIP device exteriors that can operate in more rigorous and hazardous environments
- **Gain flexibility** with a variety of deployment options, including on-premises, in the cloud with Cisco Spark™, or through Cisco preapproved third-party UC-as-a-Service (UCaaS) providers<sup>1</sup>

<sup>1</sup> Contact your authorized Cisco representative for further details on approved providers

## Feature highlights

- **Superb audio:** Enjoy the best audio performance of any IP phone Cisco has ever produced, with ETSI<sup>2</sup> compliance for echo cancellation and vibration isolation technology for both microphone and speaker.
- **Intuitive, ergonomic design:** Rounded keys increase tactile feel to reduce misdials, and wide-screen high-resolution backlit displays make for easier viewing and navigation. The phone software provides menus and notifications that are more visually appealing. End users have their choice of two experience modes for interacting with their phone.<sup>3</sup> Context-sensitive soft-label keys and a five-way navigation cluster enhance employee efficiency.
- **Mobile device integration with Cisco Intelligent Proximity:** Four of the 8800 Series models support Cisco Intelligent Proximity for Mobile Voice. This feature enables employees to import contacts and call history from their personal mobile devices to these select models over Bluetooth. Users can even move the audio portion of an active voice or video call from their personal mobile device to these phones for better-quality sound when at their desks. And they can keep their personal mobile devices charged, to stay connected when on the go, through a USB port on select 8800 Series models.

Figure 1. The Cisco IP Phone 8800 Series provides HD video, voice, and mobile communications for the entire organization



## Cisco IP Phone 8800 Series: An overview

The Cisco IP Phone 8800 Series offers six advanced models of desk phones in your choice of charcoal or white, an audio conferencing endpoint for small to large conference rooms up to 1140 sq. ft. (106 sq. m.), and two ruggedized exterior 802.11 wireless handsets, in charcoal and yellow that are designed for in-campus mobile workers who work in more rigorous and/or hazardous settings.

The desk endpoints all provide between 5 and 10 lines<sup>4</sup> and support both on-premises and cloud deployments – regardless of whether workers are at a campus or work from home. All of the desk models feature 5-in. (127-mm) wide-screen, graphical displays, and most models support color display presentation. Gigabit Ethernet is standard on most phones for reduced administration. Select models deliver

<sup>2</sup> European Telecommunications Standards Institute.

<sup>3</sup> Session Line Mode (SLM) and Enhanced Line Mode (ELM) are available on most models. Support excludes the 8831 and 8832 conference phones and ELM on the 8821 and 8821-EX WLAN handsets.

<sup>4</sup> Number of lines on desk endpoints depends on whether SLM or ELM user experience is selected.

- **Key expansion modules for scalability:** Unique to the 8800 Series, the new Cisco IP Phone 8800 Key Expansion Modules (also referred to as “sidecars”) for the 8851, 8861, and 8865 phones offer 28 additional programmable line or feature keys beyond the 5 to 10 keys that come standard with these phones.<sup>5</sup> These new modules support **both** Session Line Mode (SLM) and Enhanced Line Mode (ELM) user experiences for greater deployment flexibility and user comfort. Up to three expansion modules are supported, for a total of up to 84 additional line or feature keys.<sup>6</sup>
- **Flexible deployment options:** Support your Cisco deployment model(s) of choice, whether on-premises, in the cloud with Cisco Spark, or in a hybrid configuration. Select 8800 Series models also support third-party on-premises and hosted UC-as-a-Service (UCaaS) from Cisco approved and certified providers.<sup>7</sup>

720p HD video, USB and Bluetooth for support of third-party compatible headsets, telephony feature integration with personal mobile devices, and support for optional [key expansion modules](#) that provide additional programmable lines and feature keys.

The new 8832 audio conferencing endpoint combines superior HD audio performance and 360-degree coverage for small to large conference rooms and executive offices. Initial support will be up to 26 participants in a conference room, expanding up to 42 participants.<sup>8</sup> It features full-duplex two-way wideband audio, an integrated dialpad, a large mute key for access from all sides of the endpoint and rounded edges for ease of handling.

The 8821 and 8821-EX wireless LAN handsets are sleek and lightweight and come with a 2.4-in. (6.1-cm) high-resolution graphical display.

They are sealed against dust and water.<sup>9</sup> Both handsets comply with military standard 810G for added resilience when deployed in more industrial environments. Extensible Authentication Protocol – Transport Layer Security (EAP-TLS) 1.2 and Secure Hash Algorithm 2 (SHA-2) support more secure communications and authentication, while roaming is enhanced with Fast Transition (802.11r). The EX model is also compliant with nonsparking standards, even when temporarily exposed to hazardous atmospheric environments.<sup>10</sup>

## Next steps

For more information about the Cisco IP Phone 8800 Series and how these devices can advance your organization’s collaboration and accelerate your business results, go to <https://www.cisco.com/go/ipphones/8800>.

<sup>5</sup> The number of keys (5 or 10) depends on the choice of SLM or ELM mode. The new key expansion modules for 8851/8861 phones and the module for the 8865 video phone support both modes.

<sup>6</sup> The number of key modules and total number of line or feature keys depends on the phone model and user experience mode selected.

<sup>7</sup> Contact your authorized Cisco representative for further details.

<sup>8</sup> Initial support up to 800 sq. ft/74 sq. m. in CYQ3 2017 for select markets. In CYQ4 2017, extends up to 1140 sq. ft/106 sq. m and up to 42 participants for select markets. Contact your Cisco representative for details on regional availability.

<sup>9</sup> Both models are International Protection Standard (IP67) rated for dirt and water resistance.

<sup>10</sup> ATEX Zone 1/Class 2 and CSA Zone 1/Division II compliant.