

— CISCO DESK PHONE 9871

Cisco DP-9871-K9 IP Phone

Cisco 9871 Enterprise Desk Phone

The **Cisco DP-9871-K9 IP Phone** is a premium enterprise desk phone from the Cisco Desk Phone 9800 Series, featuring a 5-inch 1280 × 720 color touchscreen, dual-band Wi-Fi, Bluetooth 5.2, Gigabit Ethernet, PoE Class 3, USB connectivity, and advanced Cisco Smart Audio technologies.

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5"

1280×720

Color Touchscreen

Display Resolution

1Gbps

Gigabit Ethernet

Wi-Fi

Dual-Band Wireless

PRODUCT OVERVIEW

Cisco DP-9871-K9 IP Phone for Advanced Business Communication

A modern Cisco enterprise desk phone combining touchscreen control, advanced audio, flexible connectivity and enterprise security.



Cisco 9871 Touchscreen

A 5-inch backlit color touchscreen with 1280 × 720 resolution provides an intuitive interface for business calling and collaboration.



Advanced Smart Audio

Cisco Smart Audio provides conventional and AI-based background-noise and voice removal for clearer business conversations.



Flexible Connectivity

Dual-band Wi-Fi, Bluetooth 5.2 and dual-port Gigabit Ethernet provide flexible deployment options for enterprise networks.

CISCO 9871 DISPLAY

DP-9871-K9 5-Inch 1280 × 720 Color Touchscreen

The **Cisco DP-9871-K9** features a 5-inch backlit color touchscreen with a 1280 × 720 resolution. The touchscreen-based interface provides a modern way to access supported calling, directory, contact, calendar and collaboration functions.

Compared with other Cisco Desk Phone 9800 Series models, the Cisco 9871 is designed around a touchscreen-first user experience. For organizations that prefer a conventional display with physical line keys, the [Cisco DP-9861-K9 IP Phone](#) provides an alternative within the same series.

AUDIO TECHNOLOGY

Cisco DP-9871-K9 IP Phone with Cisco Smart Audio

Advanced Voice Quality

Cisco HD Audio

Acoustic Echo Cancellation

Automatic Gain Control

Adaptive Jitter Buffer

Packet Loss Concealment

Comfort Noise Generation

Cisco Smart Audio

AI Background Noise Removal

Voice Removal Technology

Receiving-Side Noise Removal

Narrowband-to-Wideband Enhancement

HD Voice Support

Enterprise Audio Processing

CONNECTIVITY

Cisco 9871 Wi-Fi, Bluetooth 5.2 and Gigabit Ethernet

The **Cisco 9871 IP Phone** provides multiple connectivity options for modern business environments. The standard DP-9871-K9 supports dual-band 802.11a/b/g/n/ac Wi-Fi across the 2.4 GHz and 5 GHz bands.

Bluetooth 5.2, Bluetooth Low Energy and Enhanced Data Rate provide wireless connectivity for compatible accessories and peripherals. Supported Bluetooth profiles include HFP, A2DP, HID and PBAP.

For wired deployments, the **DP-9871-K9** includes a two-port 10/100/1000BASE-T Ethernet switch. The phone also supports IEEE 802.3af Power over Ethernet Class 3, allowing compatible network infrastructure to provide power through the Ethernet connection.

ENTERPRISE FEATURES

Cisco Desk Phone 9871 Enterprise Calling Features



Business Calling

Supports a broad range of enterprise calling functions depending on the deployed calling platform and configuration.



Webex Integration

Supports selected Webex calling, meeting, calendar and collaboration capabilities in compatible environments.



Enterprise Management

Includes deployment, serviceability, monitoring and security features designed for enterprise communication environments.

SECURITY

DP-9871-K9 Enterprise Security Features

The **Cisco DP-9871-K9 IP Phone** incorporates enterprise security technologies for authentication, secure signaling, encrypted media and protected device configuration.

Device Security

Secure Boot

TPM 2.0

Network Security

802.1X
Authentication

SIP OAuth

Secure Credential
Storage

Secure Erase

TLS Signaling

SRTP Media
Encryption

HTTPS

TLS 1.3

Encrypted
Configuration

Security-
Enhanced Linux

TECHNICAL SPECIFICATIONS

Cisco DP-9871-K9 Specifications

Model	DP-9871-K9
Product Name	Cisco Desk Phone 9871
Series	Cisco Desk Phone 9800 Series
Display	5-inch backlit color touchscreen
Display Resolution	1280 × 720
Ethernet	2-port 10/100/1000BASE-T
Wi-Fi	802.11a/b/g/n/ac, dual-band 2.4 GHz and 5 GHz
Bluetooth	Bluetooth 5.2, BLE and EDR
PoE	IEEE 802.3af Class 3
USB	USB-A and USB-C
Audio	Cisco HD Audio and Cisco Smart Audio

Audio Codecs	OPUS, G.722, G.722.2, iSAC, G.711, G.729a/b and iLBC
Security	Secure Boot, 802.1X, SIP OAuth, TLS, SRTP, TPM 2.0 and more
Dimensions (H × W × D)	226 × 214 × 49.4 mm
Weight	1055 g
Operating Temperature	0°C to 40°C
Humidity	10% to 90%, non-condensing
Color	Carbon Black

PLATFORM COMPATIBILITY

Cisco 9871 Supported Calling Platforms

The Cisco Desk Phone 9871 is documented for use with several enterprise calling environments. Supported platforms include Cisco Webex Calling, Cisco Unified Communications Manager (CUCM) 12.5 or later, Webex Dedicated Instance, Cisco BroadWorks, Microsoft SIP Gateway and Asterisk, subject to platform requirements, firmware and configuration.

Cisco Collaboration Platforms

Webex Calling

Cisco CUCM

Webex Dedicated
Instance

Cisco
BroadWorks

Additional Platforms

Microsoft SIP
Gateway

Asterisk

SIP-Based
Deployments

Enterprise UC
Environments

DEPLOYMENT

DP-9871-K9 Use Cases for Enterprise Networks



Enterprise Offices

Advanced business communication for employees, managers and professional users.



Executive Offices

High-resolution touchscreen control and flexible wired and wireless connectivity.



Hybrid Workplaces

Wi-Fi, Bluetooth and supported Webex functionality provide flexible deployment options.

RELATED CISCO PHONES

Cisco DP-9871-K9 Alternatives and Related Products

Cisco DP-9861-K9

5-inch 800 × 480 color LCD and advanced Cisco enterprise calling features.

Cisco DP-9851-K9

Another Cisco Desk Phone 9800 Series option for enterprise deployments.

Cisco DP-9841-K9

Entry option within the Cisco Desk Phone 9800 Series.

Cisco CP-8875-K9

Advanced Cisco video-enabled IP phone for collaboration environments.

Cisco CP-8865-K9

Cisco CP-8861-K9

Enterprise Cisco IP phone for professional communication and collaboration.

Business IP phone option for Cisco enterprise voice deployments.

NETWORK INFRASTRUCTURE

Recommended Cisco Switches for DP-9871-K9

When deploying multiple **Cisco DP-9871-K9 IP Phones**, the network infrastructure should provide suitable Ethernet connectivity and PoE capacity. Depending on the deployment size and required features, Cisco managed switches can be used to build the supporting voice network.

Cisco C1200-8P-E-2G

Compact managed switch option for small business network deployments.

Cisco C1200-8FP-2G

PoE-capable Cisco switch for compatible network and endpoint deployments.

Cisco C1300-24T-4G

Managed Cisco switch for larger business network environments.

Cisco C9200L-48T-4X-E

Catalyst 9200L enterprise switching platform for scalable networks.

COMPARISON

DP-9871-K9 vs Cisco DP-9861-K9

Model	Cisco DP-9871-K9
Display	5-inch color touchscreen
Resolution	1280 × 720
DP-9861 Display	5-inch color LCD, 800 × 480
Wi-Fi	Supported on DP-9871-K9

Bluetooth	Bluetooth 5.2
Ethernet	Dual-port Gigabit Ethernet
PoE	IEEE 802.3af Class 3

PRODUCT BENEFITS

Why Choose Cisco DP-9871-K9 IP Phone?

The **Cisco DP-9871-K9 IP Phone** combines a modern touchscreen interface with enterprise-grade voice, connectivity and security capabilities. Its 5-inch 1280 × 720 color touchscreen provides an intuitive user experience, while Gigabit Ethernet, dual-band Wi-Fi, Bluetooth 5.2 and PoE provide deployment flexibility.

Cisco Smart Audio adds advanced background-noise processing, while enterprise security technologies such as Secure Boot, 802.1X, TLS, SRTP and TPM 2.0 support secure communication environments.

For organizations deploying Cisco collaboration and IP telephony solutions, the **Cisco 9871** provides a modern enterprise desk-phone platform that can support both traditional business calling and selected collaboration features.

Important: Platform-specific features, firmware requirements, licensing and available calling functions can vary depending on the deployed Cisco or third-party calling platform. Always verify compatibility and licensing requirements before deployment.

Looking for Cisco DP-9871-K9 IP Phone?

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Cisco DP-9871-K9

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