

# Cisco IP Phone 8851

Advanced Business Media Phone with Mobile Connectivity

Product Data Sheet  
SKU: CP-8851-K9

The **Cisco IP Phone 8851 (CP-8851-K9)** is a premium, business-class collaboration endpoint that combines high-fidelity, reliable, secure, and scalable voice communications with integrated Bluetooth connectivity and USB fast-charging ports for mobile device integration. It is tailored for knowledge workers, administrative staff, and executives across enterprise environments.

## KEY VALUE HIGHLIGHTS

### Vivid Color Display

High-resolution 5-inch widescreen VGA (800 x 480) 24-bit color display for rich navigation and visual status.

### Cisco Intelligent Proximity

Integrates Bluetooth 3.0 to sync contacts and call history with mobile devices and route mobile calls through the desk phone.

### USB Port Expansion

Features a built-in USB 2.0 port supporting wired/wireless headsets and mobile device charging up to 500mA.

### Key Expansion Module (KEM)

Supports up to 2 optional Cisco 8800 Key Expansion Modules for extra programmable line/feature keys.

## HARDWARE FEATURES & SPECIFICATIONS

| Parameter                 | Specification Detail                                                 |
|---------------------------|----------------------------------------------------------------------|
| Display                   | 5-inch color graphical display (800 x 480 pixels, 24-bit color)      |
| Programmable Keys         | 5 programmable line / feature keys with tri-color LEDs               |
| Mobile Integration        | Bluetooth 3.0 Hands-Free Profile (HFP) & Cisco Intelligent Proximity |
| USB Ports                 | 1 x USB 2.0 side-side port (for headsets and mobile device charging) |
| Ethernet Switch           | Dual 10/100/1000BASE-T (RJ-45) internal Gigabit Ethernet switch      |
| Audio Codecs              | G.711a, G.711u, G.722, G.729a, iLBC, Opus codec support              |
| Power over Ethernet (PoE) | IEEE 802.3af / 802.3at Class 3 compliant (Max 12.95W)                |

## SECURITY & NETWORK FEATURES

- Authentication & Encryption:** Certificates, Image authentication, Device authentication, SRTP, TLS v1.2.
- Network Protocols:** SIP signaling, DHCP, CDP, LLDP-MED, UDP, TCP, NTP, HTTP, HTTPS, TFTP.
- Quality of Service (QoS):** 802.1p/Q tagging, Differentiated Services Code Point (DSCP).

## SOFTWARE & SYSTEM COMPATIBILITY

| System Platform            | Supported Version / Service                              |
|----------------------------|----------------------------------------------------------|
| Cisco Unified CM           | Version 8.5.1, 8.6.2, 9.1.2, 10.5.2, 11.0 and later.     |
| Cisco Hosted Collaboration | Supported via Cisco HCS 9.1.2 and later.                 |
| Cisco Webex Calling        | Supported via Multiplatform Phone (MPP) firmware option. |
| Signaling Protocol         | Native Session Initiation Protocol (SIP).                |

## PHYSICAL, ENVIRONMENTAL & POWER SPECIFICATIONS

### Physical Dimensions & Weight

- **Dimensions (H x W x D):** 9.02 x 10.13 x 1.57 in (229 x 257 x 40 mm)
- **Weight:** 2.62 lbs (1.19 kg)
- **Footstand:** Dual-position footstand (35° & 50°)

### Power Options & Temperature

- **Power Input:** IEEE 802.3af/at PoE (Class 3) or Optional Power Cube 4
- **Operating Temp:** 32 to 104°F (0 to 40°C)
- **Non-operating Temp:** 14 to 140°F (-10 to 60°C)

## FEATURE COMPARISON: CISCO 8800 SERIES PHONES

| Model      | Display            | Line Keys | USB Port    | Bluetooth / Wi-Fi         |
|------------|--------------------|-----------|-------------|---------------------------|
| CP-8841-K9 | 5" Color (800x480) | 4         | No          | No                        |
| CP-8851-K9 | 5" Color (800x480) | 5         | 1 x USB 2.0 | Bluetooth 3.0             |
| CP-8861-K9 | 5" Color (800x480) | 5         | 2 x USB 2.0 | Bluetooth + Wi-Fi 802.11n |

## ORDERING INFORMATION

- **CP-8851-K9=:** Cisco IP Phone 8851, Charcoal, Standard Enterprise Firmware.
- **CP-8851-3PW-NA-K9=:** Cisco IP Phone 8851 with Multiplatform Phone (MPP) Firmware.
- **CP-8800-A-KEM=:** Key Expansion Module with Color Display (28 Keys x 2 Pages).
- **CP-PWR-CUBE-4=:** Cisco Power Cube 4 (Optional AC Adapter).