Cisco IP Phone 8800 Series with Multiplatform Phone Firmware

This multiplatform phone firmware enables the 8800 Series to work with third-party call control systems.

Product Overview

For partners who provide voice and video services to end customers on third-party platforms, Cisco offers specific firmware loads that support these platforms and run on the Cisco® IP Phone 8800 Series. The feature set provided by this firmware is not identical to that of the firmware designed and built for use with Cisco call control systems, but there are many similarities. For clarity, this data sheet focuses only on the features provided on these multiplatform phone firmware loads. For a list of hardware-enabled functions, see the data sheets for the phones listed under the Cisco IP Phone 8800 Series product information.

This multiplatform phone firmware is offered exclusively on phones that are ordered with the SKUs listed in Table 4. Phones ordered as multiplatform phones do not work with Cisco call control. For any questions, reach out to ipphone-pm-team alias.

Supported Features

Table 1 lists the features supported in the multiplatform phone firmware.

Table 1.   Supported Features with v.11.0.0 MPP Firmware

Feature	Detail
Audio	• Codecs: G.711 (A-law and μ-law), G.722.2, G.722, G.729ab, ILBC, iSAC, Opus • DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO
Network	• MAC address (IEEE 802.3) • SIP protocol support (RFC3261 and companion RFCs) • IPv4 (RFC 791) • DNS: A record (RFC 1706), SRV record (RFC 2782) • Dynamic Host Configuration Protocol (DHCP) (RFC 2131) • Simple Network Time Protocol (SNTP) (RFC 2030) • NAT transversal, STUN • UDP/TCP • Link Layer Discovery Protocol (LLDP) • Cisco Discovery Protocol (CDP)
Security	• 802.1x authentication • Media encryption via SRTP • Transport Layer Security (TLS) • Encrypted configuration files • Digest authentication • Password Login • HTTPs secure provisioning
Applications	• Cisco XML services interface (XSI)

Feature	Detail
Call control and audio features	• Busy Lamp Field (BLF)[1] • Call back on busy • Call blocking - anonymous and selective • Call conferencing - hosted (N-party)1 • Call conferencing – local 3-way • Call forwarding - unconditional, no answer, on busy • Call hold • Call pickup - selective and group1 • Call park and unpark1 • Call transfer - attended or blind • Call waiting • Caller ID name and number and outbound caller ID blocking • Caller ID mapping for incoming calls • Configurable dial/numbering plan support with inter-digit timers - per line • Configurable supplementary services soft keys • Distinctive ringing based on calling and called number • Do not disturb • Extension mobility/hot-desking[1] • Group paging1 • Hoteling1 • Intercom1 • Individual volume setting per audio path (headset/handset/speaker) • Multicast paging • Music on hold[1] • Outbound caller ID blocking • Visual voice message waiting indicator (VMWI) • Shared/bridge line appearance1 • Supplementary services feature activation codes
Directory	• Local phonebook • XML/LDAP remote directory • Broadsoft Directory • Intelligent search • Call History
Management	• Configuration: Browser/Phone/Auto-provision • Auto provision via TFTP/HTTP/HTTPs for mass deployment • Problem Reporting Tool (PRT)

Platform Support

Table 2 lists the platforms supported by the multiplatform phone firmware.

Table 2. Supported Platforms

Platforms Supported	Certifications
Asterisk	Interoperability Tested – Release (1.8+)
Broadsoft	Interoperability Tested and Certified – Releases 19sp1, 20sp1, 21sp1
Centile	Interoperability Tested and Certified – Release Istra SP 9.2

Licensing

All Cisco IP Phone 8800 Series are covered by the Cisco End User License Agreement at
http://www.cisco.com/go/eula.

---

[1] Feature requires support by SIP client management server.

Product Specifications

Table 3 lists the specifications for the multiplatform phone firmware. For more hardware specifications, see the Cisco IP Phone 8800 Series data sheets.

Table 3. Specifications

Feature	Details
Protocol support	**SIP: all models**
Full DN lines supported	**8811: 10 lines (SIP registrations)** **8831: 1 line (SIP registration)** **8841: 10 lines (SIP registrations)** **8851: 10 lines (SIP registrations)** **8861: 10 lines (SIP registrations)**
Codecs	**G.711 a, μ law** **G.722 (on headset, handset, and speakerphone, 8831: speakerphone only)** **G.722.2 (on headset, handset, and speakerphone, 8831: speakerphone only)** **G.729 a, b, ab** **ILBC** **iSAC** **OPUS**

Ordering Information

Table 4 provides information for ordering the 8800 Series phones with the multiplatform phone firmware.

Table 4. Ordering Information

Part #	Product Description
CP-8811-3PCC-K9=	Cisco IP Phone 8811 shipped with multiplatform phone firmware
CP-8831-3PCC-K9=	Cisco IP Phone 8831 shipped with multiplatform phone firmware
CP-8841-3PCC-K9=	Cisco IP Phone 8841 shipped with multiplatform phone firmware
CP-8851-3PCC-K9=	Cisco IP Phone 8851 shipped with multiplatform phone firmware
CP-8861-3PCC-K9=	Cisco IP Phone 8861 shipped with multiplatform phone firmware
CP-BEKEM-3PCC=	Cisco IP Key Expansion Module for multiplatform phones
Part Numbers for Remote Configuration: **Notes:** • Available via drop ship orders only. These part numbers are not available from Tier-2 distribution warehouse stocking inventory.	
CP-8811-3PC-RC-K9=	Cisco IP Phone 8811 shipped with multiplatform phone firmware, for remote configuration
CP-8841-3PC-RC-K9=	Cisco IP Phone 8841 shipped with multiplatform phone firmware, for remote configuration
CP-8851-3PC-RC-K9=	Cisco IP Phone 8851 shipped with multiplatform phone firmware, for remote configuration
CP-8861-3PC-RC-K9=	Cisco IP Phone 8861 shipped with multiplatform phone firmware, for remote configuration
Part Numbers for gift boxes that contain the phone along with the Power Cube and Cord: **Notes:** • Available in May 2017 and in the USA and Canada only.	
CP-8811-3PW-NA-K9=	Cisco IP Phone 8811 shipped with multiplatform phone firmware, and with a Power Cube and a power cord for North America
CP-8821-3PW-NA-K9=	Cisco IP Phone 8821 shipped with multiplatform phone firmware, and with a Power Cube and a power cord for North America
CP-8841-3PW-NA-K9=	Cisco IP Phone 8841 shipped with multiplatform phone firmware, and with a Power Cube and a power cord for North America
CP-8861-3PW-NA-K9=	Cisco IP Phone 8861 shipped with multiplatform phone firmware, and with a Power Cube and a power cord for North America

Warranty Information

The Cisco IP Phone 8800 Series is covered by the Cisco one-year limited hardware warranty.

Cisco Capital

Financing to Help You Achieve Your Objectives

Cisco Capital® can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. Learn more.

Call to Action

For more information about Cisco IP phones, go to http://www.cisco.com/go/ipphones.

Printed in USA

C78-738030-02   04/17