Cisco IP Phone 8800 Series with Multiplatform Phone Firmware

This multiplatform phone firmware enables the 8800 Series to work with approved 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 • MOS Score reporting (Telchemy)
Video	• H.264 HD 720p Video camera, WVGA display • Picture in Picture (PiP) • Camera exposure control • Bandwidth control
Network	• MAC address (IEEE 802.3) • SIP protocol support (RFC3261 and companion RFCs) • IPv4 (RFC 791) • IPv6 (RFC 2460): System Interoperability Testing Required • DNS: A record (RFC 1706), SRV record (RFC 2782) • Dynamic Host Configuration Protocol (DHCP) (RFC 2131) • Simple Network Time Protocol (SNTP) (RFC 2030) • Network Address Translator (NAT) transversal, STUN • UDP/TCP • Link Layer Discovery Protocol (LLDP) • Cisco Discovery Protocol (CDP) • TR.69 Provisioning: System Interoperability Testing Required
Security	• 802.1x authentication • Media encryption via SRTP • Transport Layer Security (TLS)

Feature	Detail
	• Encrypted configuration files • Digest authentication • Password Login • HTTPs secure provisioning • Mandatory/Optional Secure Call
Applications	• Cisco XML Services Interface (XSI) • UC-One Presence
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 paging[1] • Hoteling[1] • Intercom[1] • 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 appearance[1] • Supplementary services feature activation codes
Directory	• Local phonebook • XML/LDAP remote directory • Broadsoft Directory • Intelligent search • Call History • Reverse address lookup in all directories • Intelligent Proximity (mobile device contacts synchronization)
Management	• Configuration: Browser/Phone/Auto-provision • Auto provision via TFTP/HTTP/HTTPs for mass deployment • Packet Capture, Problem Reporting Tool (PRT) and upload of PRT • Configuration report to provisioning server

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

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+)
Broadcloud	Interoperability Tested and Certified
Broadsoft Broadworks	Interoperability Tested and Certified – Releases 19sp1, 20sp1, 21sp1, 22sp1
Centile	Interoperability Tested and Certified – Release Istra SP 9.2
Metaswitch	Interoperability Tested and Certified – Release 9.3

Session Border Controller Support

Table 3 lists the session border controllers supported by the multiplatform phone firmware.

Table 3.   Supported Session Border Controllers

Session Border Controllers
EdgeMarc
Metaswitch Perimeter
Oracle/Acme
Sonus 5100

Licensing

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

Product Specifications

Table 4 lists the specifications for the multiplatform phone firmware. For more hardware specifications, see the
Cisco IP Phone 8800 Series data sheets.

Table 4.   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)** **8845: 10 lines (SIP registrations)** **8851: 10 lines (SIP registrations)** **8861: 10 lines (SIP registrations)** **8865: 10 lines (SIP registrations)**

Ordering Information

Table 5 provides information for ordering the 8800 Series phones with the multiplatform phone firmware.

Table 5.   Ordering Information

Part #	Product Description
Language support	- Bulgarian - Chinese (Simplified) - Chinese (Traditional, Hong Kong) - Croatian - Czech - Danish - Dutch - English (American) - English (United Kingdom) - Finnish - French (France) - German - Hungarian - Italian - Japanese - Korean - Norwegian - Polish - Portuguese (Portugal) - Spanish (Spain) - Slovak - Swedish - Slovenian - Turkish
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 (Available in Canada and USA only)
CP-8841-3PCC-K9=	Cisco IP Phone 8841 shipped with multiplatform phone firmware
CP-8845-3PCC-K9=	Cisco IP Video Phone 8845 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-8865-3PCC-K9=	Cisco IP Video Phone 8865 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. - All of the 7800 MPP product ID's support Remote Configuration (RC). It is no longer necessary to order specific "RC" SKUs to use the RC function. - RC SKUs are not available, and not necessary for the 8845 and 8865. These phones ship with the RC capability with the other SKUs.	
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 the USA and Canada only.	

Part #	Product Description
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-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-8845-3PW-NA-K9=	Cisco IP Video Phone 8845 shipped with multiplatform phone firmware, and with a power cube and a power cord for North America (Available after August 2018)
CP-8851-3PW-NA-K9=	Cisco IP Phone 8851 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
CP-8865-3PW-NA-K9=	Cisco IP Video Phone 8865 shipped with multiplatform phone firmware, and a power cube and a power cord for North America (Available after August 2018)

Warranty Information

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

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Call to Action

For more information about Cisco IP phone 8800 Series with Multiplatform Firmware, go to https://www.cisco.com/go/mpp8800.