

High Definition Touch Color Screen Smart Media Android SIP Conference Phone



Video Conference Phone with 7-inch Touch Screen

As a high-end enterprise SIP conference phone with Android 9.0 OS, PLANET ICF-1900 provides a more intelligent and smoother touch operation experience for the users.

The ICF-1900 is a 7-inch high definition touch color screen SIP conference phone with optional 1080p USB camera. This latest innovative advanced color IP multimedia phone creates an immersive, face-to-face experience over the network. Through the powerful combination of Android 9.0 OS technologies and design, it supports a greater compatibility and more powerful functions. Its large display and movable icons on interface provide the direct access to frequently-used functions and intelligent touch full keypad with ease of use. Its high resolution makes video conferencing very practical, comfortable and high-quality.



Up to 20 SIP lines with 112 one-touch DSS keys on the 7-inch color touch screen, built-in Bluetooth 4.2 and 2.4G/5G wireless make daily communication smarter and simpler. Matching an optional 1080p USB camera, the ICF-1900 can deliver a superb audio and video for group conferencing.

Highlights

- 7-inch color touch screen with Android 9.0 OS
- Plug and Play optional 1080p USB camera with 720p 30fps H.264 video call
- IETE SIP compliant with Transport Layer Security
- Up to 20 SIP lines with 112 one-touch DSS keys
- Dual Gigabit and IEEE 802.3af/at PoE compliant
- Built-in Bluetooth 4.2 and 2.4G/5G Wi-Fi
- Wideband G.722 HD and Opus audio codec with handset and hands-free function

Audio and Video Features

- 720p@30fps HD H.264 video call
- Audio codec: Opus, G.722, G.722.1, G.722.1C, G.711 (A/μ), G.729AB, iLBC
- DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO
- Full-duplex hands-free speakerphone with AEC
- Noise Reduction (NR) and Packet Loss Concealment (PLC)

Phone and Call Control Features

- Up to 3-party video conferencing and 5-party video/audio mixed conferencing
- Direct IP call without SIP proxy or IP PBX
- Caller ID display, speed dial, do not disturb (DND)
- One-touch speed dial, hotline, black/white list call filter
- Local phonebook (2000 entries), remote phonebook (XML/LDAP, 2000 entries)
- Call logs (In/out/missed, 1000 entries)

Network and Management

- Integrated web server provides web-based administration and configuration
- Telephone keypad configuration via display menu/navigation
- OpenVPN, VLAN and QoS Support
- Auto-provisioning via FTP, TFTP, HTTP/HTTPS, DHCP OPT66, SIP PNP, TR-069



Bundled with audio and video applications, the ICF-1900 is an easy-to-use business video phone. It allows intuitive navigation like Android 9.0 OS smart phone to operate every function correctly. With its brilliant user experience and rich business features, it can help you make decisions faster, improve customer intimacy, scale scarce resources, and speed products to market. SOHOs, enterprises, organizations, etc. are already using it to control costs, and reinventing the SIP conference phone by merging voice, video and collaboration into one device. This highly-scalable solution is suitable for enterprise mass deployment, and in no time, everyone in the organization will immediately see the benefits of increased productivity and convenient collaboration.



HD Touch Screen Android IP Phone

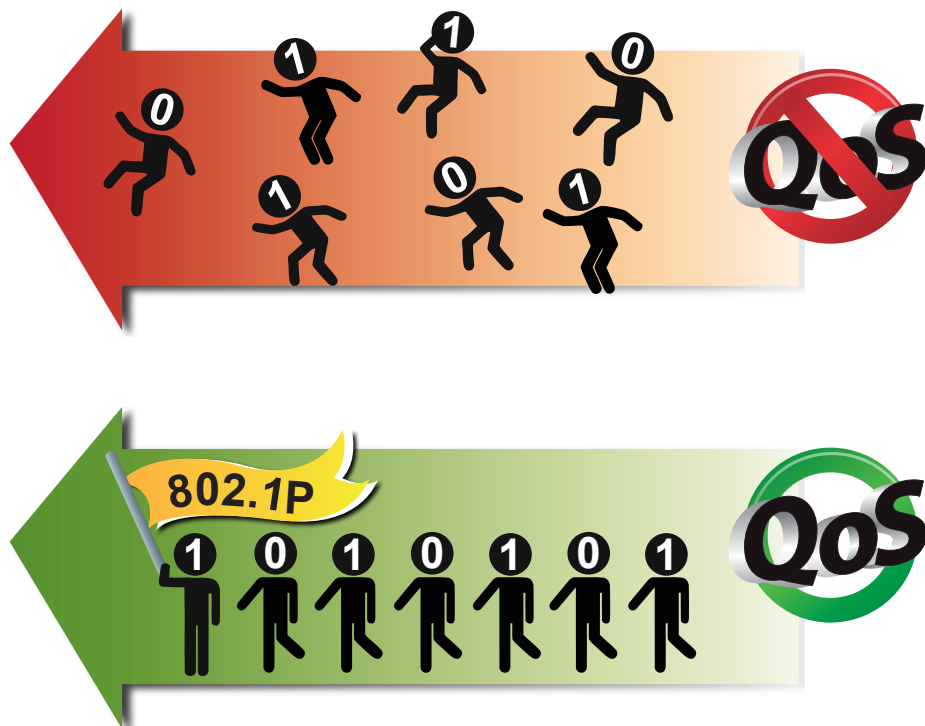
High-quality G.722 HD and Opus Audio Codes

The ICF-1900 delivers with Harman Kardon speaker, wideband G.722 HD and opus audio codec whose both hardware and software HD functions (HD speaker and G.722 audio codec) are the next generation of voice quality for telephony audio, making the quality of voice better than that (toll quality) of the standard digital telephony and come close to that of a room conversation. HD voice is transmitted in the audio frequency range of 50Hz to 7kHz or higher over telephone lines, resulting in higher quality voice and clearer communication. The ICF-1900 keeps bringing the most premium sound for the users.



Secure, High-quality VoIP Communication

The ICF-1900 can effortlessly deliver secure toll voice quality by utilizing cutting-edge QoS (Quality of Service) and 802.1p VLAN tagging. Using voice and data, VLAN can easily separate the data and voice, thus maintaining the best quality.



Standard Compliance and Enhanced Voice Security

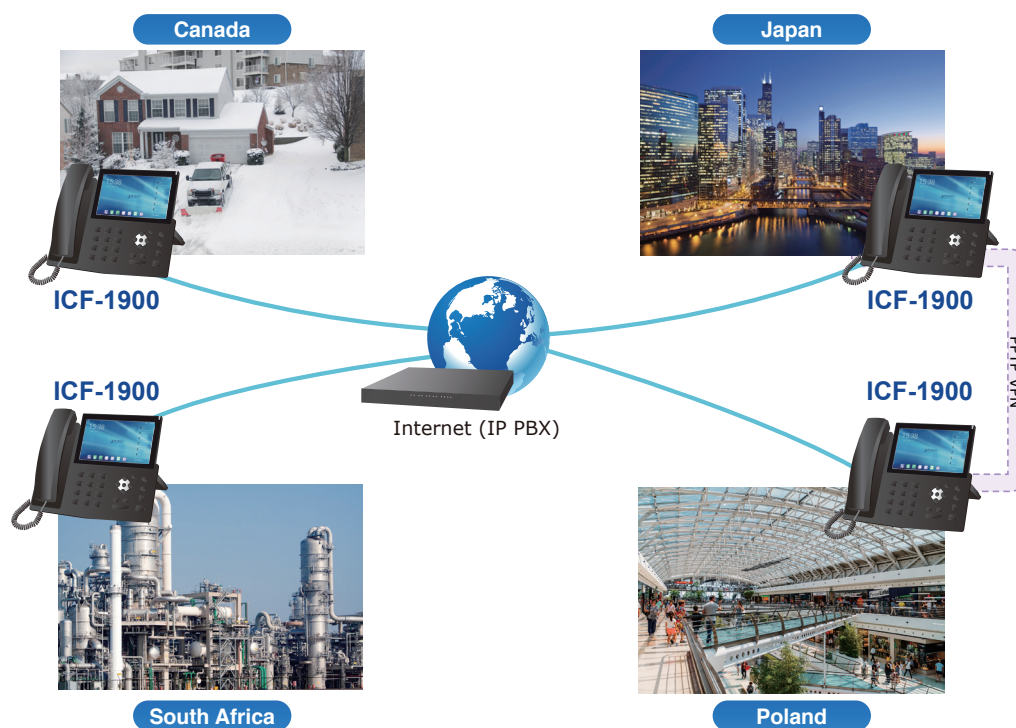
The ICF-1900 supports IETF Session Initiation Protocol 2.0 (RFC 3261) with Transport Layer Security for easy integration with general voice over IP system. Meanwhile, it provides OpenVPN to enhance voice security. A VPN is created by establishing a virtual point-to-point connection. The SIP conference phone is able to broadly interoperate with equipment provided by VoIP infrastructure providers, thus enabling them to provide their customers with better multimedia exchange services.



Applications

Enterprise Conference Telephony Deployment of ICF-1900

The ICF-1900 comes with exceptional audio quality and user-friendly features and provides 7-inch color touch screen, built-in PoE, Bluetooth 4.2 and 2.4G/5G wireless that make daily communication smarter and simpler. Matching an optional 1080p USB camera, the ICF-1900 can deliver a superb audio and video for group conferencing.



Free Calls to all over the World

Specifications

Product	ICF-1900
Interface	
Lines (Direct Numbers)	20 SIP Lines
Display and Indicator	112 one-touch DSS keys on 7-inch (1024 x 600) color touch screen 5 points multi-touch surface Screensaver and wallpaper LED for call and message waiting indication Intuitive user interface with icons and soft keys Multilingual user interface Caller ID with name, number and photo
Feature Keys	26 keys, including 5 x Function keys (Hold, MWI, Mute, Headset, Redial) 4 x Navigation keys 1 x OK key 1 x Return key 12 x Standard Phone Digits keys 2 x Volume Control keys – Up and Down 1 x Hands-free key
Network Interfaces	Dual-port Gigabit Ethernet: Network x 1 (802.3af/at PoE enabled) PC x 1 (Bridged Network) Built-in Wi-Fi (2.4GHz/5Gz) Built-in Bluetooth 4.2
Connectors	RJ9 Port x 2: Handset x 1, Headset x 1 USB2.0 Port x 1: Standard A, Connect with camera Safety keyhole x 1
Android bundled Applications	
Operating System	Android 9.0 OS with higher security and better compatibility Files, Calendar, Gallery, Browser, Email, Calculator, Notepad, Sound Recorder, Clock, Video, Music Third-party Android application support
Network and Provisioning	
Network	IP Mode:IPv4 IP Configuration: Static / DHCP Network Access Control: 802.1x VPN: OpenVPN (Requires third-party app support) VLAN, LLDP, CDP, QoS
Protocols	SIP2.0 over UDP/TCP/TLS, RTP/RTCP/SRTP, STUN, DHCP, CDP, LLDP, PPPoE, 802.1x, OpenVPN (Requires third-party app support), SNTP, FTP/TFTP, HTTP/HTTPS, TR-069
Deployment & Maintenance	Auto-provisioning via FTP, TFTP, HTTP/HTTPS, DHCP OPT66, SIP PNP, TR-069 Web management portal, Telnet Encrypted configuration files download with AES Web upgrade, factory reset data The third-party communication App
Features	
Audio Features	HD voice microphone/speaker (handset/hands-free, 0 ~ 7KHz frequency response) HAC handset Wideband ADC/DAC 16KHz sampling Narrowband codec: G.711a/u, G.729AB, iLBC Wideband codec: G.722, Opus Full-duplex acoustic echo canceller (AEC) Noise reduction (NR) Packet loss concealment (PLC) Dynamic adaptive jitter buffer DTMF: In-band, out-of-band, DTMF-relay (RFC2833), SIP Info

Video Features	Video decoding: H.264 Video call resolution: CIF/VGA/4CIF/720P/1080P Image format: JPEG/PNG/BMP Video format: MP4 Bandwidth selection: 64kbps~4Mbps Frame rate selection: 5~30fps Video from remote site can be displayed in full screen 3-way video conferencing Self-view (local video preview)
Phone Features	Local Phonebook (2000 entries) Remote Phonebook (XML/LDAP, 2000 entries) Intelligent Search for Contacts and Call Log Call logs (In/out/missed, 1000 entries) Black/White List Call Filter Screen saver Voice Message Waiting Indication (VMWI) Programmable DSS/Soft keys Network Time Synchronization Built-in Bluetooth 4.2: Supports Bluetooth headset/ Bluetooth of Mobile Device Built-in Wi-Fi: 2.4GHz, 802.11 b/g/n, 5GHz, 802.11 a/n/ac Support Recording Action URL / Active URI UaCSTA Audio/Video Recording SIP Hotspot Group Broadcasting Action Plan Group listening
Call Features	Call out / Answer / Reject Mute / Unmute (Microphone) Call Hold / Resume Call Waiting Intercom Caller ID Display Speed Dial Anonymous Call (Hide Caller ID) Call Forwarding (Always/Busy/No Answer) Call Transfer (Attended/Unattended) Call Parking/Pick-up (Depending on server) Redial Do-Not-Disturb Auto-Answering Voice Message (On IP PBX or SIP server) 5-way Audio Conferencing Hot Line Hot desking BLF (Busy Lamp Field)
Environment	
Power Requirements	IEEE 802.3af/at (Network port) 5V DC, 2000mA (optional external power supply)
Power Consumption	PoE: 1.596~11.86W Adapter: 0.907~9.38W
Operating Temperature	0 ~ 45 degrees C
Operating Humidity	10 ~ 95% (non-condensing)
Weight	1230g
Dimensions (W x D x H)	Desktop Stand (Angle 1): 268 x 185 x 189 mm Desktop Stand (Angles 2): 268 x 201 x 168 mm
Emission	CE, FCC, RoHS

Product	ICF-CAM80
Hardware	
Camera	Pixels: 2 megapixels Video Codec: H.264 Video Call Resolution: 1080p@30fps Automatic/Manual White Balance Automatic Exposure Compensation Adjustable with Privacy Shutter View Diagonal: 102° Horizontal: 94° Vertical: 62° Vertical Adjustment Angle: ± 23 ° Status Indicator Light x1 (with Two-color LED)
Environments	
Power Requirements / Consumption	5V @ <500mA via USB port
Operating Temperature	-10 ~ 50 degrees C
Operating Humidity	10 ~ 90% (non-condensing)
Weight	119 g
Dimensions (W x D x H)	51 x 90.14 x 141.31 mm
Emission	CE, FCC, RoHS
Connectors	USB Port x1: Micro USB 2.0

Ordering Information

ICF-1900	High Definition Touch Color Screen Smart Media Android SIP Conference Phone
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Accessories

ICF-CAM80	Portable High Definition 1080p USB Camera (For ICF-1900)
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Related Products

VIP-156	SIP Analog Telephone Adapter
VIP-156PE	802.3af PoE SIP Analog Telephone Adapter
VIP-157S	VoIP Analog Telephone Adapter (2 x FXS)
VIP-1120PT	High Definition Color PoE IP Phone
VIP-2140PT	High Definition Color PoE IP Phone with Dual Display
HDP-1160PT	720p SIP Vandalproof Door Phone with PoE
HDP-5240PT	720p SIP Multi-unit Video Door Phone with RFID and PoE
HDP-5260PT	720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE
VTS-700P	7-inch SIP Indoor Touch Screen PoE Video Intercom
VGW-420FS	4-Port SIP VoIP Gateway (4 x FXS)
VGW-820FS	8-Port SIP VoIP Gateway (8 x FXS)
IPX-330	Internet Telephony PBX System (30 user registrations)
IPX-2100	Internet Telephony PBX System (100 user registrations)
IPX-2200	Internet Telephony PBX System (200 user registrations)
IPX-2500	Internet Telephony PBX System (500 user registrations)
IPX-21FO	4-Port FXO Module For IPX-2100/IPX-2200/IPX-2500
IPX-21SL	2-Port FXS / 2-Port FXO Module For IPX-2100/IPX-2200/IPX-2500
IPX-21GS	4-Port GSM Module For IPX-2100/IPX-2200/IPX-2500
IPX-21PR	1-Port ISDN Module For IPX-2200 / IPX-2500 (Primary Rate Interface)

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ICF-1900