

7" Smart Media Android SIP Conference Phone with Full HD Camera and Touch Screen



Video Conference Phone with 7-inch Touch Screen

As a high-end enterprise SIP conference phone with Android OS, PLANET ICF-2000 provides a more intelligent and smoother touch operation experience for the users.

The ICF-2000 is a 7-inch high-definition color touch screen SIP conference phone with a built-in 5MP 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 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, along with built-in 2.4GHz/5GHz wireless, the ICF-2000 simplifies daily communication. Furthermore, the ICF-2000 features a rotating knob that allows the camera angle to be adjusted up or down, accommodating different installation heights. It also comes with a camera privacy cover to protect user privacy. Equipped with a built-in 5MP camera, it supports 3-party video/audio mixed conferencing and 10-party audio conferencing, delivering an exceptional audio and video experience for group meetings.

New Level of Customization by Touch Screen with Multiple Function Keys

The Customizable DSS Keys feature allows users to assign commonly-used functions to designated keys, providing an easy way to streamline daily tasks. Whether it's accessing important settings, dialing frequent contacts, or activating specific phone features, users can create personalized shortcuts that cater to their unique workflow. With a **Touch Screen and Multiple Function Keys**, productivity is significantly enhanced. This customizable interface is ideal for executives or busy professionals, making communication smoother and more efficient, allowing them to focus on what matters most. This level of customization empowers users to

Highlights

- 7-inch color touch screen with Android OS
- 5MP camera with 1080p@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 802.3at PoE+ compliant
- Built-in 2.4G/5GHz Dual-Band Wi-Fi
- Wideband G.722 HD and Opus audio codec with handset and hands-free function
- Supports bracket installation for desktop or wall mounting.

Audio and Video Features

- 1080p@30fps HD H.264 video call
- Audio codec: Opus, G.722, G.711a/u, G.729, G.729A, G.729B, 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/audio mixed conferencing and 10-party audio 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

optimize their communication processes and improve daily operational efficiency in business environments.

Bundled with audio and video applications, the ICF-2000 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



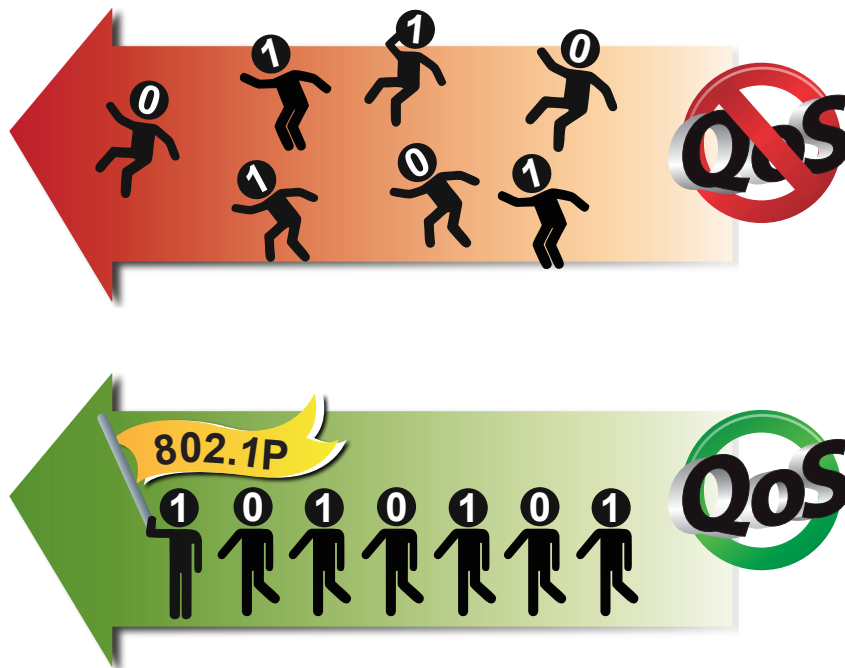
High-quality G.722 HD and Opus Audio Codes

The ICF-2000 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-2000 keeps bringing the most premium sound for the users.



Secure, High-quality VoIP Communication

The ICF-2000 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.



Installation Options and Applications

The ICF-2000 offers two installation options: desktop and wall mounting. Equipped with an adjustable camera, it can conduct video calls with the access control system. Users can view the access point's video feed on their phone screens, enabling remote door unlocking and other applications.

Standard Compliance and Enhanced Voice Security

The ICF-2000 supports IETE 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

Versatile Communication Solution

The ICF-2000 is a multifunctional IP phone suitable for conference rooms, reception desks, and access control systems. It supports 10-way audio conferencing and 3-way video conferencing, effectively facilitating online collaboration within the company and significantly enhancing communication efficiency. The ICF-2000 combines a touch screen with physical buttons, providing intuitive and simple operation along with a user-friendly interface for an exceptional user experience.

Ideal Choice for Conference Rooms

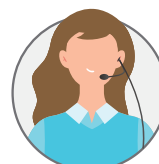
The ICF-2000 is especially well-suited for conference applications, supporting multi-party audio and video conferencing, allowing teams to easily engage in online collaboration and discussions. The built-in 5MP camera ensures clear video conferencing, while the 10-way audio conferencing feature delivers high-quality sound, ensuring that every participant can clearly hear the discussion. The 7-inch color touch screen allows meeting hosts to easily manage participants, with customizable DSS keys for quickly setting up meeting modes or inviting new members to enhance meeting efficiency.



1-Party



2-Party



3-Party



Video Conference Phone

Ideal Choice for Reception Desks

The ICF-2000 is also highly suitable for reception desks, providing front desk staff with a professional and efficient communication tool. The 7-inch color touch screen is equipped with 112 one-touch DSS keys and supports up to 20 SIP lines, enabling receptionists to easily manage a high volume of incoming and outgoing calls. The design, which combines a touch screen with physical buttons, allows quick access to various functions, while customizable DSS keys can be set for call forwarding, speed dialing, or activating specific phone features, helping to streamline and improve call handling efficiency.



Reception Phone

Flexible Installation Options and Access Control Integration

The ICF-2000 offers both desktop and wall-mounted installation options, featuring an adjustable camera that supports video calls with access control systems. Users can view video footage from the access control system on the phone's screen and remotely unlock doors. This device not only enhances daily operational efficiency but also optimizes communication processes in the business environment.



Indoor Station

Specifications

Product	ICF-2000
Interface	
Lines (Direct Numbers)	20 SIP Lines
Display and Indicator	112 one-touch DSS keys on 7-inch (1024 x 600) color touch screen 4 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	5 keys, including 1 x Home key 1 x Return key 2 x Volume Control keys – Up and Down 1 x Hands-free key
Network Interfaces	Dual-port Gigabit Ethernet: Network x 1 (802.3at PoE enabled) PC x 1 (Bridged Network) Built-in Wi-Fi (2.4GHz/5GHz)
Camera	Pixels: 5 megapixels Video Codec: H.264 Video Call Resolution: 1080p@30fps
Connectors	RJ9 Port x 2: Handset x 1, Headset x 1 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, DNS A/SRV/NAPTR, RTP/RTCP/SRTP, STUN, DHCP, CDP, LLDP, 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) Wideband ADC/DAC 16KHz sampling Narrowband codec: G.711a/u, G.729, G.729A, G.729B, 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: QVGA/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) Built-in camera: 5 megapixels, adjustable video angle.

Phone Features	<ul style="list-style-type: none"> 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 Message Waiting Indication (MWI) Programmable DSS/Soft keys Network Time Synchronization Built-in 2.4GHz/5GHz dual-band Wi-Fi Support Recording Action URL / Active URI UaCSTA Audio/Video Recording SIP Hotspot Group Broadcasting Action Plan Group listening
Call Features	<ul style="list-style-type: none"> 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) 3-party video/audio mixed conferencing 10-party audio conferencing Hot Line Hot desking BLF (Busy Lamp Field)
Environment	
Power Requirements	IEEE 802.3af/at PoE, 48~54V DC (Network port) 12V DC (optional external power supply)
Power Consumption	PoE: 3.52~10.76W Adapter: 2.38~8.6W
Operating Temperature	0 ~ 45 degrees C
Operating Humidity	10 ~ 95% (non-condensing)
Weight	760 g
Dimensions (W x D x H)	<ul style="list-style-type: none"> Desktop Stand (Angle 1): 265 x 172.1 x 145.2 mm Desktop Stand (Angle 2): 265 x 161.7 x 154.5 mm Wall Mounted: 265 x 78.6 x 184 mm Without Stand: 264.97 x 70.58 x 216.71 mm
Emission	CE, FCC, RoHS

Ordering Information

ICF-2000	7" Smart Media Android SIP Conference Phone with Full HD Camera and Touch Screen
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Related Products

ICF-1900	High Definition Color Touch Screen Smart Media Android SIP Conference Phone
VIP-1260PT	High Definition Color PoE Gigabit IP Phone
VIP-1140PT	High Definition Color PoE IP Phone
VIP-462DG	802.11g SIP DECT VoIP Router
HDP-1261PT	1080p SIP Vandalproof Door Phone with RFID and PoE
HDP-5260PT	720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE
VTS-700WP	7-inch SIP Indoor Touch Screen PoE Video Intercom with Built-in Wi-Fi
VGW-420FO	4-Port SIP VoIP Gateway (4 x FXO)
VGW-420FS	4-Port SIP VoIP Gateway (4 x FXS)
VGW-820FS	8-Port SIP VoIP Gateway (8 x FXS)
VGW-1620FS	16-Port SIP VoIP Gateway (16 x FXS)
VGW-2420FS	24-Port SIP VoIP Gateway (24 x FXS)
VGW-3220FS	32-Port SIP VoIP Gateway (32 x FXS)
IPX-2200	Internet Telephony PBX System (200 user registrations)
IPX-1102	Internet Telephony PBX system with 2-port FXO (100 SIP User Registrations)
IPX-1100	Internet Telephony PBX system (100 SIP User Registrations)
IPX-1800N	Internet Telephony PBX System with ISDN Support