

HD Touch Screen Android Multimedia Conference Phone



Video Phone with 7-inch Touch Screen

ICF-1800 is a 7-inch LCD touch screen IP phone with GUI (graphical user interface). It creates an immersive, face-to-face experience over the network, the latest innovation of advanced color IP multimedia phone. Through a powerful combination of technologies and design, it allows you and remote participants to feel as if you are all in the same room. Its large display, ease of use and high resolution make video conferencing very practical, comfortable and high-quality. The ICF-1800 supports H.264 and H.263 video codecs and variable video bit rate for any network. In addition, it has an HDMI output for connecting external display, for example, Full HD TV.

Bundled with audio and video applications, the ICF-1800 is an easy-to-use business video phone. It allows intuitive navigation like 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 desk 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

Highlights

- Dual 10/100/1000 Gigabit Ethernet (WAN, LAN)
- Supports SIP 2.0 (RFC3261)
- Supports six SIP voice lines
- IEEE 802.3af Power over Ethernet compliant
- Supports multiple road calls waiting in line
- Supports HD voice
- Supports SRTP and Busy Lamp Field (BLF)
- Built-in Android 4.2 OS
- Supports third party communication app

Video Features

- Video codec: H.264 / H.263
- Image codec: JPEG/PNG/BMP/GIF
- Video format: MP4/3GP/FLV
- Video call resolution: QCIF / CIF / VGA / 4CIF
- Bandwidth selection: 64kbps~4Mbps
- Frame rate selection: 5~30fps
- Picture-in-Picture (PIP)

Advantageous Applications

- SIP supports SIP domain, SIP authentication (none, basic, MD5), DNS name of server, Peer to Peer/ IP call
- In-band, SIP info, RFC2833 DTMF relay
- Over 64 kinds of ring types and 10 user-defined music rings
- Echo cancellation: Supports G.168, and hands-free function can support 96ms, hands-free speaker phone
- Supports Voice Gain Setting, VAD, CNG
- Full duplex hands-free speaker phone
- Hands-free headset ringing choice
- Voice codec setting for each SIP line

SIP Applications

- Call Forward / Transfer (blind/attended)
- Call Holding / Waiting
- 3-way conferencing (also with video)

High-quality HD VoIP Voice

The ICF-1800 delivers HD voice 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.



Standard Compliance

The ICF-1800 supports Session Initiation Protocol 2.0 (RFC 3261) for easy integration with general voice over IP system. The IP 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.

Compliant with standard SIP RFC 3261



Enhancing Voice Security

The ICF-1800 provides multiple VPNs like PPTP, IPSec and L2TP to enhance voice security. A VPN is created by establishing a virtual point-to-point connection.

The ICF-1800 supports all kinds of SIP-based phone features including 3-way conferencing, Transfer (blind/attended), Phonebook, Blacklist XML, LDAP Phonebook, Screen Sleep, SMS / Voicemail / Message Waiting, Ring tone selection / Import / Delete, STUN, UPnP and SNMP, among others. Besides office use, the ICF-1800 is also the ideal solution for VoIP service offered by Internet telephony service provider (ITSP).

- Paging and Intercom
- Call Park / Call Pickup / Join Call
- Redial and click to dial
- Secondary dialing automatically
- Incoming calls / outgoing calls / missing calls (Each supports 100 records)
- Supports Phonebook 500 records
- Supports SMS and Speed Dial
- Supports XML phonebook / browser

Call Control Features

- Flexible dial map / Hotline / Empty calling no.
- Reject service / Black list for reject authenticated call
- White list / Limit call
- Do not disturb (DND)
- Caller ID / CLIR (reject the anonymous call) / CLIP (make a call with anonymous)
- Dial without registration

Network Features

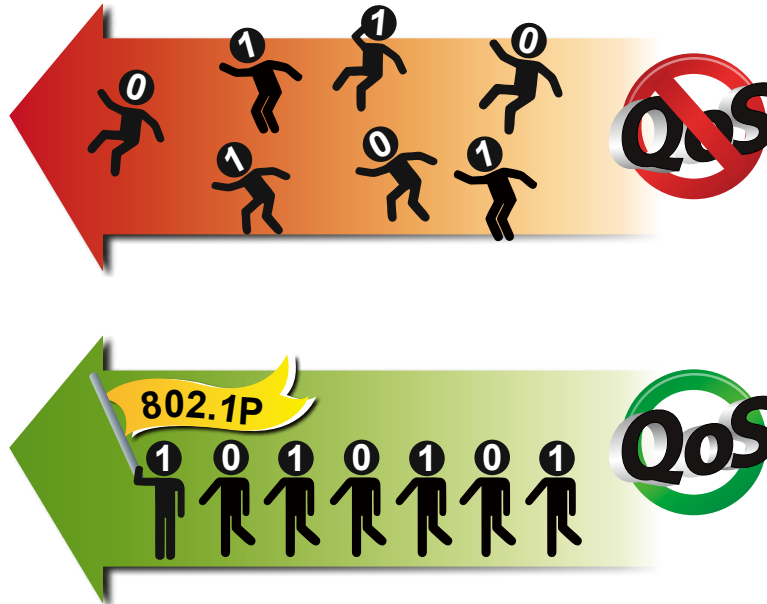
- Bridge modes
- PPPoE / DHCP client on WAN
- 802.1 VLAN (voice VLAN/data VLAN)
- VPN (L2TP)
- Main DNS and secondary DNS server
- DNS Relay and SNTP Client

Maintenance and Management

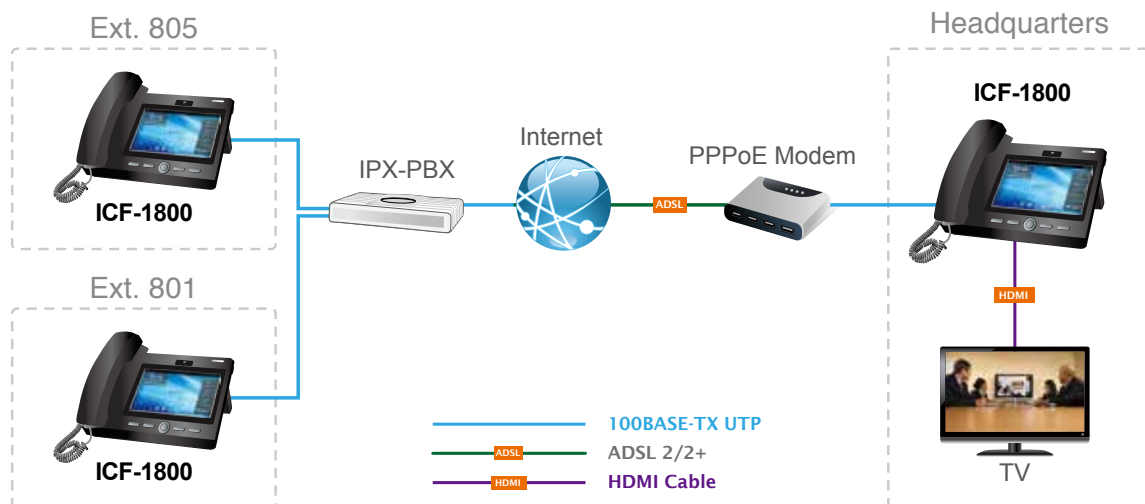
- Integrated web server provides web-based administration and configuration
- Automated provisioning and upgrade via HTTPS, HTTP, TFTP
- User Authentication for configuration pages
- Local and Remote Syslog (RFC 3164)
- SNTP Time Synchronization
- TR069

Secure, High-quality VoIP Communication

The ICF-1800 can effortlessly deliver secure toll voice quality by utilizing cutting-edge 802.1pq QoS (Quality of Service) and 802.1PQ VLAN tagging. Using voice and data VLAN can easily separate the data and voice, thus maintaining the best quality.



Applications



The ICF-1800 provides face to face communication. It comes with 4Mbps of video bit rate and 720p resolution perfect for video conferencing. Its HDMI interface for high definition video is available.

Specifications

Model	ICF-1800
Hardware	
Lines (Direct Numbers)	6-line Enterprise-class video phone
Audio/Video Input	1 x Ergonomic handset (acoustical cochlea)
Audio/Video Output	1 x 7" TFT 800 x 480 Capacitive Multi Touch Screen 1 x Full-duplex hands-free speaker phone with AEC (Max. filter length - 128ms)
Camera	Tiltable 2 megapixel CMOS camera
LED indicator	1 x PWR LED
Feature Keys	Headset key Menu key Speaker key Return key Home key
Network Interfaces	Dual 10/100/1000BASE-T RJ45 for network and PC connection IEEE 802.3/802.3u/802.3az, auto-negotiation, auto-MDI
Protocols and Standard	
Data Networking	MAC address (IEEE 802.3) IPv4 (RFC 791) Address Resolution Protocol (ARP) DNS: A record (RFC 1706), SRV record (RFC 2782) Dynamic Host Configuration Protocol (DHCP) client (RFC 2131) Internet Control Message Protocol (ICMP) (RFC 792) TCP (RFC 793) User Datagram Protocol (UDP) (RFC 768) Real-time Protocol (RTP) (RFC 1889, 1890) Real-time Control Protocol (RTCP) (RFC 1889) Differentiated Services (DiffServ) (RFC 2475) Type of Service (ToS) (RFC 791, 1349) VLAN tagging 802.1p Layer 2 Quality of Service (QoS) Simple Network Time Protocol (SNTP) (RFC 2030) Session Timer (RFC 4028) SDP (RFC 2327) NAPTR for SIP URI Lookup (RFC 2915)
Voice Gateway	SIP version 2 (RFC 3261, 3262, 3263, 3264) SIP supported STUN (RFC 3489) Message Waiting Indicator (RFC 3842) Voice algorithms: - G.711 (A-law and μ -law) - G.723.1 high/low - G.729a/b Dual-Tone Multi-Frequency (DTMF), In-Band and Out-of-Band (RFC 2833) (SIP INFO) Voice Activity Detection (VAD) with Silence Suppression Adaptive Jitter Buffer Management Comfort Noise Generation Echo Cancellation Message
Functions	
Advantageous Applications	SIP 2.0 (RFC3261) IEEE 802.3af Power over Ethernet (PoE) compliant Multiple road call waiting in line Supports HD voice Supports SRTP and BLF SIP supports SIP domain, SIP authentication (none, basic, MD5), DNS name of server, Peer to Peer / IP call In-band, SIP info, RFC2833 DTMF Relay Over 64 kinds of ring types and 10 user-defined music rings Echo cancellation: Supports G.168, and hands-free function can support 96ms, hands-free speaker phone Supports Voice Gain Setting, VAD, CNG Full duplex hands-free speaker phone Hands-free headset ringing choice Voice codec setting for each SIP line
SIP Applications	Call Forward / Transfer (blind/attended) Call Hold / Wait 3-way conferencing Paging and Intercom Call Park / Call Pickup / Join Call Redial and click to dial Secondary dialing automatically Incoming calls / outgoing calls / missing calls (Each supports 100 records) Supports Phonebook 2000 records Supports SMS and Speed Dial Supports XML phonebook/browser

Call Control Features	Flexible dial map / Hotline / Empty calling no. Reject service / Black list for reject authenticated call White list / Limit call Do not disturb (DND) Caller ID / CLIR (reject the anonymous call) / CLIP (make a call with anonymous) Dial without registration
Network Features	Bridge mode PPPoE / DHCP client on WAN 802.1 VLAN (voice VLAN/data VLAN) VPN (L2TP) Main DNS and secondary DNS server DNS Relay and SNTP Client
Management	Integrated web server provides web-based administration and configuration Automated provisioning and upgrade via HTTPS, HTTP, TFTP User Authentication for configuration pages Local and Remote Syslog (RFC 3164) SNTP Time Synchronization TR069
Environments	
Power Requirements	12V DC, 1A IEEE 802.3af (Network port)
Power Consumption	Idle: 2.5W, Active: 5W
Operating Temperature	0 ~ 40 degrees C
Operating Humidity	10 ~ 65% (non-condensing)
Weight	896g
Dimensions (W x D x H)	255 x 216 x 88 mm
Emission	CE, FCC, RoHS
Connectors	Two 10/100/1000BASE-T RJ45 Ethernet ports 1 x HDMI (Type A) 2 x USB 2.0 Micro SD slot Handset: RJ9 connector Headset: RJ9 connector DC power jack Built-in speakerphone and microphone

Ordering Information

ICF-1800	HD Touch Screen Android Multimedia Conference Phone (6-Line)
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Related Products

VIP-1010PT	High Definition PoE IP Phone(1-Line)
VIP-2020PT	Enterprise HD PoE IP Phone (2-Line)
VIP-5060PT	Professional HD PoE IP Phone (6-Line)
VIP-6040PT	Gigabit Color LCD HD PoE IP Phone (4-Line)
VIP-8030NT	HD Voice Conference IP Phone with PSTN (3-Line)
VIP-362WT	802.11n Wireless Desktop IP Phone
IPX-330	Internet Telephony PBX System (30 user registrations)
IPX-2100	Internet Telephony PBX System (100 user registrations)
IPX-2500	Internet Telephony PBX System (500 user registrations)
UMG-1000	Desktop Unified Office Gateway
UMG-2200	Unified Office Gateway (8-Port FXO)
VIP-880 series	8-Port FXS H.323 / SIP VoIP Gateway
VIP-1680 Series	16-Port FXS H.323 / SIP VoIP Gateway
VIP-2480 Series	24-Port FXS H.323 / SIP VoIP Gateway
VGW-402	4-Port SIP VoIP Gateway (2 x FXS + 2 x FXO)
VGW-400FS	4-Port SIP VoIP Gateway (4 x FXS)
VGW-400FO	4-Port SIP VoIP Gateway (4 x FXO)
WGSW-48040HP	L2+ 48-Port 10/100/1000T 802.3at PoE + 4-Port Shared 100/1000X SFP Managed Switch
XGSW-28040HP	L2+ 24-Port 10/100/1000Mbps 802.3at PoE + 4-Port 10G SFP+ Managed Switch with Hardware Layer3 IPv4/IPv6 Static Routing

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