Touch Screen Internet Multimedia Phone

PLANET's ICF-1700 Internet Media Phone brings you a vivid video conferencing experience easily through the Internet. No PC nor the complex web camera, sound card and software settings are required. Furthermore, the ICF-1700 has a built-in 7" LCD monitor in a telephone form factor ideal for desktop use.

The ICF-1700 is compliant with the SIP 2.0 standard, which means you can have seamless conferencing with other SIP compliant video conferencing systems, voice gateway, IP phones, ATA and IP PBX System. With SIP Proxy Server or MCU (Multipoint Control Unit) support, the ICF-1700 greatly helps your business communications more quickly and cost-effectively.

The ICF-1700 supports multiple languages for most of the users in different language-speaking easily use the multimedia phone. In addition, the ICF-1700 is designed based on Android OS 2.1 to give friendly interface in touch screen for users quickly manage its operation. The media files and photographs can also be input to the ICF-1700 via its USB interface and then be managed or display.

The ICF-1700 features video outputs to external monitor for group meetings showing video or photographs. Providing outstanding picture and sound quality, the PLANET ICF-1700 Internet Media Phone facilitates business communications via Internet.

KEY FEATURES

HARDWARE FEATURES

- 7" Color adjustable LCD touch screen with 800x480 pixels
- Built-in High Quality 2Mega pixel CMOS camera
- Full duplex hands-free speakerphone
- Ergonomic handset (acoustical cochlea)
- 1 x WAN and LAN, supports switch mode
- Compliant with IEEE 802.3af PoE standard

NETWORK FEATURE

- DHCP Client on WAN
- Main DNS and secondary DNS server
- NTP Client
- QoS with DiffServ
- TR-069
- MD5 authentication
- Network tools in telnet server: includes ping, trace route, telnet client

VOIP FEATURES

- Compliant with SIP 2.0
- 4 SIP servers, and 3 backup SIP servers
- Voice Gain Setting, VAD, CNG

- Supports SIP domain, SIP authentication (none, basic, MD5)
- DNS name of server, Peer to Peer / IP call
- DTMF Relay
- Customized music rings
- Supports STUN
- SMS based on SIP
- Professional Speaker / HD Voice
- Phonebook records export / import
- XML phonebook
- Media player (mp3, wav, wma)
- USB disk & System files management
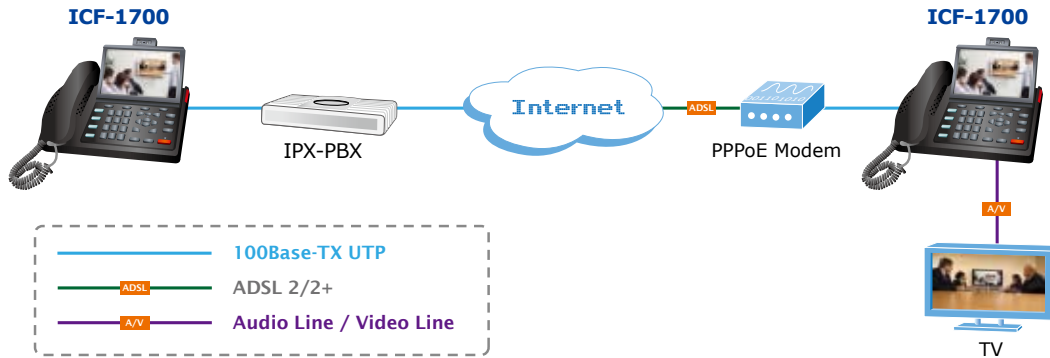- Supports VoIP (SIP / RTP) encryption

MANAGEMENT

- System Based on Android 2.1
- Multilanguage realizes localization
- Third party android application, e.g. email, IM, Internet Radio, web browser
- Application market
- Web, telnet and keypad management
- Management with different account authentications
- Encrypted configuration files download with AES
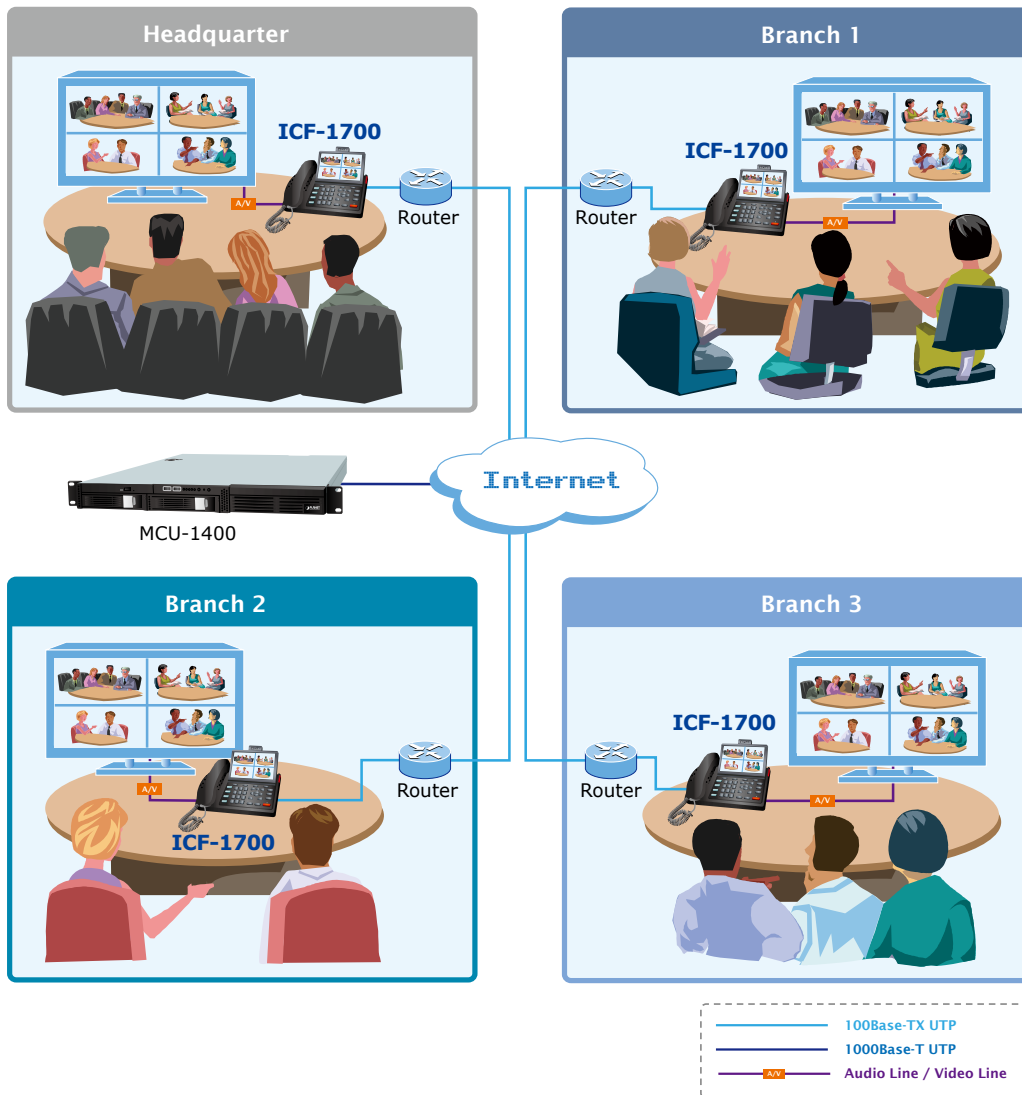
APPLICATIONS

IP PBX Mode

The ICF-1700 features IP PBX mode to deliver voice over a data network and interoperates with the normal Public Switched Telephone Network (PSTN).

100Base-TX UTP	
ADSL 2/2+	
Audio Line / Video Line	

Audio / Video Conference Call

The ICF-1700 can provide video and audio conference service to any meeting room, auditorium and tracing facility by combination with MCU (Multipoint Control Unit).

100Base-TX UTP	
1000Base-T UTP	
Audio Line / Video Line	

SPECIFICATION

Product	Internet Video Conferencing Phone
Model	ICF-1700
Hardware	
Port — WAN	1 x 10/100Base-T RJ-45 for LAN (IEEE 802.3af PoE compliant)
Port — LAN	1 x 10/100Base-T RJ-45 for PC
Port — Handle	1 x RJ9
Port — Headset	1 x RJ9
Port — USB	1 x USB 2.0
Port — Video Output	1 x Mini HDMI
Camera	1 x Tiltable 2Mega pixel CMOS camera
Audio / Video Input	1 x Ergonomic handset (acoustical cochlea)
Audio / Video Output	1 x built-in 7" TFT LCD, adjustable angle with 800x480 pixels 1 x Full duplex hands-free speakerphone
LED indicator	1 x Power LED (PWR) 1 x Speaker LED 1 x Mute key LED
Software	
Video Standard — Video Codec	H.263, H.264, MPEG4
Video Standard — Video Solution	QCIF, CIF, QVGA
Video Standard — Video Format	mp4, 3gp and flv
Audio Standard	G.711A/u, G.7231 high/low, G.729a/b, G.722, G.726, iLBC, AMR-NB, AMR-WB
Image format	PEG, PNG, GIF and BMP
Network Standard	IEEE 802.3 / IEEE 802.3u / IEEE 802.3af
Network Protocol	SIP 2.0 RFC 3261, TCP/IP, UDP, RTP, HTTP, ARP, ICMP, DNS, DHCP (client), NTP, Telnet
Echo Cancellation	G.168
Access Mode	Static IP, PPPoE, DHCP
Phone Features	
Network	• System files management • WAN / LAN: support switch mode • IEEE 802.3af PoE on WAN • DHCP Client on WAN • Main DNS and secondary DNS server • NTP Client • QoS with DiffServ • TR-069 • MD5 authentication • Network tools in telnet server: includes ping, trace route, telnet client
Basic Features	• 4 SIP servers, and 3 backup SIP servers • Voice Gain Setting, VAD, CNG • Supports jitter buffer • Supports SIP domain, SIP authentication (none, basic, MD5) • DNS name of server, Peer to Peer / IP call • DTMF Relay: supports Inband, SIP info, RFC2833 • Customized music rings • Supports STUN • SMS based on SIP • Volume (handfree / handset / headset / ring) adjustment • Professional Speaker / HD Voice
SIP application	• Forward • Transfer (blind / attended / alert) • Holding • Waiting • 3-Way conference • Paging and intercom • Call park / pickup • Join call • Redial and un-redial • Click to dial • Secondary dialing automatically

Call control features	• Flexible dial map • Hotline • Empty calling number reject service • Black list for rejected authenticated call • White list, limit call • Do no disturb, auto answer • Caller ID, CLIR (reject the anonymous call) • CLIP (make a call with anonymous) • Dial without register
Advanced Application	• Application market • Desktop widget / Google search • Multilanguage realizes localization: ▪ English, French, Arabic, German, Italian, Korean, Portuguese, Russian, Spanish, Turkish and Chinese (Traditional / Simplified) • Human voice caller ID indication • Human voice num keypad indication • Predial • Voice recording during talking / auto answer / local • Incoming calls / outgoing calls / missing calls, supporting 100 records, respectively. • Supports Phonebook up to 2000 records • Phonebook records export / import • XML phonebook • Photo frame • Media player (mp3, wav, wma) • Supports pushing message • Supports VoIP (SIP/RTP) encryption (e.g. RC4)
Management	• Android OS 2.1 • Third party android application, e.g. email, IM, Internet Radio, web browser • USB disk file management / Firmware upgrade • Web, telnet and keypad management • Management with different account authorizations • Automatic provision upgrades / configuration deployment • Encrypted configuration files download with AES

ORDERING INFORMATION

ICF-1700	Touch Screen Internet Multimedia Phone

RELATED PRODUCTS

ICF-1601	Internet Video Conferencing Phone
IPX-1900	Internet Telephony PBX System
IPX-300W	Wi-Fi Internet Telephony PBX System
MCU-1400	Multipoint Control Unit (up to 4 screen)
MCU-1900	Multipoint Control Unit (up to 9 screen)