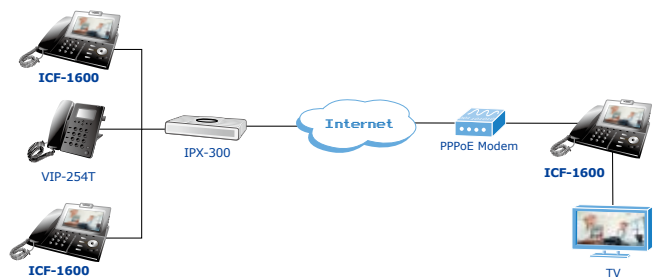# Internet Video Conferencing Phone

PLANET's latest Video Conferencing product, ICF-1600, brings you a vivid video conferencing experience through the Internet. Neither the PC nor the complex web camera is required for Internet video communications. Furthermore, the ICF-1600 has a built-in 7" LCD monitor in a telephone form factor ideal for desktop use.

The ICF-1600 is compliant with SIP standard, which brings you a seamless conferencing experience with other SIP compliant video conferencing systems, voice gateway, IP phones, ATA and IP PBX System. With SIP Proxy Server and MCU support, the ICF-1600 from PLANET makes quick and cost-effective communications possible for you and your business partners.

The ICF-1600 has multiple video inputs which can be used to connect to external cameras for group meetings and/or a document camera for showing detailed documents or photographs. With up to 30 fps frame rate, outstanding picture and sound quality, the PLANET Internet Video Conferencing Phone offers you a superior communications experience via the Internet.

KEY FEATURES

- SIP version 2 (RFC 3261) compliant

- 7" Color TFT-LCD display with video / audio output function

- Built-in Web Browser for Internet navigation

- Personalize phone ring tone and screensaver

- Max. 30 Frames per Second

- Supports frame rate up to 30 fps

- User-friendly GUI / Web-based Management

- Support H.263 Video Codec and G.711, G.723.1, G.729A/B Audio Codec

- Compatible with SIP 2.0 Proxy server and peer to peer mode

- Built-in high quality CMOS camera

- Full-duplex Voice Conversation

- Superior voice quality with Voice Activity Detection (VAD), Automatic Gain Control(AGC), Acoustic Echo Cancellation(AEC) and Electrical Echo Cancellation(EEC) support

APPLICATIONS

SPECIFICATION

Product	Internet Video Conferencing Phone
Model	ICF-1600
Hardware	
Port	2 x 10/100Mbps RJ-45 port
Camera	CMOS module, 300K pixels QCIF, 30fps, Camera door
Audio/Video Input	1 telephone handset 1 built-in microphone 1 USB 1.1
Audio/Video Output	1 built-in 7" TFT LCD, adjustable angle 1 pair RCA Audio/Video output 1 built-in speaker
LED indicator	1 PWR/LNK LED
Protocols and Standard	
Standard	SIP 2.0 RFC 3261
Video Standard	H.263, MPEG4
Audio Standard	G.711a/u, G.723.1, G.729A/B
Internet protocol	TCP/IP, UDP, RTP/RTCP
Echo cancellation	G.167
LAN standard	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet
Phone Features	
Keys	1 Speaker phone Key 1 Headset Key 1 Volume Up & Down keys 1 Picture in picture enable key 1 Camera mute key 1 LCD/TV display toggle key 1 LCD Brightness Up & Down Keys 5 Speed dial Buttons 6 Soft keys
Audio Features	Silence Suppression Comfort noise generation(CNG) voice activity detection (VAD) In-band DTMF & Out-of-band DTMF (RFC 2833) Call progress tone generation Acoustic Echo Cancellation Dynamic Jitter buffer Three-way audio conferencing
Video Features	2-way Video Call PIP(Picture in Picture) LCD Brightness Adjustment LCD Contrast Adjustment LCD/TV Display Switch Video Privacy (Audio Only) Video Mute Remote Video Display On/Off
Message & Configuration Service	Address Book Phone setting Network setting Call records Local Clock setting
Network and Configuration	
Internet Connection Type	Fixed IP, DHCP, PPPoE
Management	LCD / Keypad UI Web (HTTP)
Dimension (W x D x H)	262 x 230 x 95 mm
Operating Environment	0~40 Degree C, 5~95% humidity
Power Requirement	12 V DC
EMC/EMI	CE, FCC

ORDERING INFORMATION

ICF-1600-PA	Internet Video Conferencing Phone, PAL
ICF-1600-NT	Internet Video Conferencing Phone, NTSC

AVAILABLE MODULES

IPX-300
IPX-300W

05-08   C-ICF-1600