



Features und Functions

Communication World VPAD *for Everyone*

All in One Embedded IP- Video –Phone

- Touch Screen LCD 10,2” (800 x 480)
- Make Videophone Calls over the Internet
- Compliant with Standards
- Embedded Web Browser & Web Server
- Standard Conformance
- Quick & Easy Installation
- Built- in Wi-Fi (802.11 b/n/g)
- Built –in Bluetooth
- Digital Photo Frame as Screen Saver
- SD Card Slot & USD 20.0
- Internet

Integrated options

1x Integrated: camera,
1x Mic/speaker,
2x Signal Lamps,
1x SD Memory Card,
Audio In/ Out
Video In/ Out
2 x USB 2.0
Volume control
Head phone connector
Switch on/off

User Functions:

2-way /3-way Video Communications
Graphical User Interface
User Input from Touch Screen & Software Keyboard or optional USB Keyboard
NAT/Firewall Traversal
Auto Answer Mode
Digital Photo Frame using SD/USB Memory
Embedded Web Browser & Web Server



Telephone Functions

Registration at SIP Servers
Registration Expiration
Authentication for Registration (DIGEST using MD5)
Call Setup / Release
Call Accept/ Reject
Automatic Media Capability Negotiation
Call from History or Phone Book
Instant Messaging
Direct IP to IP Calling
Call Indication by LED Pattern
Call History (Missed/Received /Dialed)
Phone Book (ADD/Delete/Edit)
Caller ID, Screen Name Display
Last Call Redial
Call Holding
Call Waiting
Call Transfer (Attended/Unattended)
3-way Video Conference (without MCU)
Speed Dial List
Blocked Caller List
Block Anonymous Calls

Remote Configuration Maintenance

Remote Configuration via Built –in Web Server
OS /Application Upgrade from USB Flash Memory or FTP/Web Server

Telephony/ Network Protocols

SIP (RFC 2976,3261,3262,3263,3264)
SDP (RFC 2327)
RTP /RTCP (RFC 3550,3551)
RTP Payload (RFC 2190,2833,3047,3984)
DHCP (RFC 2131)
NAT (Firewall Traversal (RFC 3581,4961)
HTTP (RFC 2616)

Video CODECs

H.263SP
H.264SP

Resolutions

VGA (640x480)
QVGA (320x240)
CIF (352x288)
QCIF (176x144)



Image Decoder

GIF
JPEG
PNG

Speech CODECs

G.711 a-law/ μ law
G.722
G.723.1A
G.729AB

Advanced Audio Features

Acoustic Echo Cancellation (AEC)
Adaptive Jitter Buffer (AJB)
Comfort Noise Generation (CNG)
Packet Loss Concealment (PLC)
Voice Activity Detection (VAD)

Peripheral Interfaces

10/100Mbps Ethernet RJ-45
USB 2.0 (2 ports)
SD Card
Built –in WiFi 802.11b/g/n
Built –in Bluetooth (hands free profile)
Touch screen Pointing Input
10.2” TFT LCD 800 x 480
CCD Camera VGA
Built in Microphone Mono
Built in Speaker Stereo
Headset & Mic Jacket (3.5 mm Ø)
External Audio Input /Output (RCA)
External Video Input /Output (RCA)

Dimension

294 mm x 213 mm x 38 mm

Operating Environment

Power Supply: 12 V DC 3.0 A
Humidity: 0 ~ 80%
Temperature: 0 ~ 50° C