

Next Generation Media Phone

IPM-x7a

Video Gigabit IPPhone



Product Overview

As a high-end enterprise IP phone with Android 9.0 OS, the Techroutes IPM-x7a IP Phone provides a more intelligent and smoother touch operation experience for the users. With 112 DSS keys on the 7-inch color touch screen, built-in Wi-Fi, built-in Bluetooth allows convenient communication. Matching an adjustable USB camera, the IP Phone can deliver a superb audio and video for the group conference.

Salient Features

- 20 SIP lines, 3-way conference, hotspot
- 7" capacity color touch-screen HD voice: HD handset, HD speaker Built-in Bluetooth 4.2 and 2.4G/5G Wi-Fi
- Up to 112 DSS keys available at the display
- Video Codec H.264 for receiving video calls Dual Gigabit ports, integrated PoE
- Stand with 2 adjustable angles of 40 and 50 degrees
- Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix

Phone Features

- Android 9.0 OS
- Local Phonebook (2000 entries)
- Remote Phonebook (XML/LDAP, 2000 entries)
- Call logs (In/out/missed, 1000 entries)
- Black/White List Call Filter Screen saver Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys Network Time Synchronization Built-in Bluetooth 4.2: Support Bluetooth headset
- Built-in Wi-Fi
- 2.4GHz, 802.11 b/g/n 5GHz, 802.11 a/n/ac Miracast
- Support Recording
- Action URL / Active URI
- uaCSTA

Call Features

- 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 server)
- 3-way Conference Hot Line
- Hot desk

Video

- Video decoding: H.264
- Video call resolution: 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

Network

- Physical: 10/100/1000 Mbps Ethernet
- Dual bridged port for PC bypass
- 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
- RTP/RTCP/SRTP
- STUN
- DHCP
- CDP
- LLDP
- PPPoE
- 802.1x OpenVPN (Requires third-party app support)
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TRo69

Deployment & Management

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web Management Portal
- Supports the third party communication APP
- Supports Web, Telnet
- Supports encrypted configuration files download with AES
- Supports Web upgrade
- Supports factory reset data

Audio

- HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz Frequency Response)
- HAC handset
- Wideband ADC/DAC 16KHz Sampling
- Narrowband Codec: G.711a/u, 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

Physical Features

- LCD x1:7 inch (1024x600) color-screen LCD
- Keypad: 26 keys, including
- 5 Function keys (Hold, MWI,Mute,Headset, Redial)
- 4 Navigation keys 1 OK key
- 1 Return key
- 12 Standard Phone Digits keys 2 Volume Control keys, Up/Down 1 Hands-free key
- HD Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- Back Rack x1
- RJ9 Port x2: Handset x1, Headset x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- USB2.0 Port x1: Standard A, Connect with Flash Driver Safety keyhole x1
- Power: 5V/2A or PoE
- Power Consumption (PoE): 1.596~11.86W
- Power Consumption (Adapter): 0.907~9.38W
- Working Temperature: 0~45°C
- Working Humidity: 10~95%
- Installation: Desktop Stand
- Color: Black Device Dimensions Desktop Stand (Angles 1): 268x185x189mm
- Desktop Stand (Angles 2): 268x201x168mm
- Box Dimensions: 304x297x66mm
- CTN Dimensions: 616x358x329mm (10 PCS)

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