

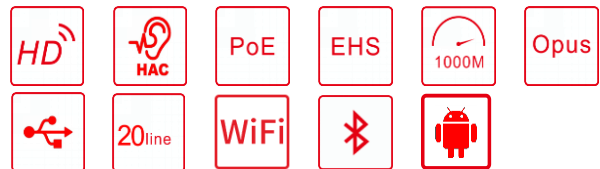


Fanvil A320i Android Touch Screen Console IP Phone

A320i is a visualization paging console phone for industry customers. It is equipped with a gooseneck microphone and supports HD hands-free calling. Featuring 112 DSS keys, a 10.1-inch color touch screen, Wi-Fi, and Bluetooth, the Fanvil A320i enables smart and simple daily communication. It has a built-in adjustable camera and an HD PTM handset, delivering a great audio and video experience for group conferences. Fanvil A320i has a built-in broadcasting system that is compatible with the standard SIP protocol, making it an ideal choice for management centers or command centers with functions such as making video call, two-way intercom, monitoring, and broadcasting.

Highlights

- ☑ 20 SIP lines, 10-party audio conference, 3-party video conference
- ☑ Equipped with a PTM handset, standard/PTT handset is optional
- ☑ Equipped with a gooseneck microphone for further sound pickup distance
- ☑ Integrate a public address software to build a broadcasting system
- ☑ Built-in adjustable 8 mega-pixel camera with a privacy cover
- ☑ 112 DSS softkeys on 10.1" touch screen
- ☑ HD audio on speaker and handset
- ☑ Support Bluetooth 5.0 and 2.4G/5G Wi-Fi
- ☑ Video Codec H.264, support video call.
- ☑ Dual Gigabit ports, PoE Integrated.



Generic

- 20 SIP Lines
- HD Voice
- Support Video Call
- PoE Enabled
- 10.1-inch (1280x800) touch screen
- Handset / Hands-free / Headset mode
- Intelligent DSS Keys (virtual buttons)
- Optional External Power Supply

Operation System

- Android 9.0 OS with higher security and better compatibility
- Built-in applications: Files, Calendar, Gallery, Browser, Email, Calculator, Notepad, Sound Recorder, Clock, Video, Music
- Secondary development of API
- Support third-party applications installation.

Phone Features

- Local phonebook (2000 entries)
- Remote phonebook (XML/LDAP, 2000 entries)
- Intelligent search for contacts and call Log
- Call logs (In/out/missed, 1000 entries)

lack/White list call filter

- Screen saver
- Voice message waiting indication (VMWI)
- Programmable DSS/Soft keys
- Network time synchronization
- Built-in Bluetooth 5.0
- Built-in Wi-Fi
 - ✓ 2.4GHz, 802.11 b/g/n
 - ✓ 5GHz, 802.11 a/n/ac
- Action URL / Active URI
- UaCSTA
- Audio/Video recording
- SIP Hotspot
- Group broadcasting
- Action plan
- Group listening

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)
- 10-party Audio Conference,3-party Video Conference
- Hot Line
- Hot desking
- BLF

Video

- Video decoding: H.264, H.265(optional)
- 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
- Video call
- Video Preview
- Camera
 - 8 mega-pixel (Adjustable Angle)
 - Mechanical shutter for privacy

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

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
- 802.1x
- OpenVPN (Requires third-party app support)
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

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

Physical Specifications

- Color: Grey (White: customizable)
- LCD x1: 10.1- inch (1280x800) color touch screen
- Physical keys x5: Volume -/Volume +/Home/Hands-free/Return
- HD Handset (RJ9) x1: A320i equip with PTM handset, standard /PTT handset is optional
 - Standard handset: without button
 - PTT handset: push the button to talk
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- Gooseneck Microphone x1
 - Directional microphone
 - Frequency response: 20Hz~20KHz
 - SNR: ≥60 dB.1kHz at 1 Pa
- Back Rack x1
- RJ9 Port x2: Connect with Handset
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- USB2.0: Type A x1, connect with USB card
- Safety Keyhole x1
- Power: DC 5V/2A or PoE
- Power Consumption (PoE): 2W ~ 9.77W
- Power Consumption (Adapter): 1.2W ~ 7.75W
- Working Temperature: 0~45℃
- Working Humidity: 10~95%
- Installation: Desktop
- Qty/CTN: 10 PCS
- N.W/CTN: 19.94kg
- G.W/CTN: 20.94kg
- Device Dimensions
 - Desktop Stand (Angles 1): 309 x 214 x 187mm
 - Desktop Stand (Angles 2): 309 x 226 x 167mm
- Gift Box Dimensions: 323 x 301 x 71mm
- Outer CTN Dimensions: 624 x 383 x 348mm (10 PCS)

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products. For more information, please visit: www.fanvil.com

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Fanvil A212 Wall-mounted Speaker

Fanvil A212 wall-mounted speaker is a commercial-grade IP audio terminal integrating broadcasting and intercom functions. It supports 20 multicast zones with priority management and uses G.722 and Opus codecs for high-definition audio. It also supports lossless MP3 and WAV broadcasting and can connect to a 15W passive speaker for enhanced amplification. The A212 integrates seamlessly with systems such as converged communication systems, video surveillance systems, Fanvil broadcast & intercom systems, access control systems, digital billboards, and fire alarm systems, allowing for centralized configuration and operation.



Highlights

- ✔ Excellent sound quality: Support HD intercom, lossless music broadcast
- ✔ Flexible integration: Support standard SIP protocol, HTTP API, short circuit input and output and video linkage, easy to integrate with third-party systems
- ✔ Convenient management: Support Web, DM software, FDMCS and Fanvil broadcast & intercom APP management
- ✔ Functional integration: Support paging broadcasting, scheduled broadcasting, emergency broadcasting, two-way intercom, self-check/monitoring, priority management and other functions
- ✔ Multi-mode: Serverless mode, converged communication mode, Fanvil broadcast & intercom system mode and external linkage mode



Basic Functions

- 2 SIP lines
- Wall-mounted installation, rotary support installation (optional)
- Main speaker 8 Ω 15W can be connected to external 8 Ω 15W passive sub-speaker
- Built-in microphone, support monitoring, self-test, intercom application
- Support HD voice, using G.722 and Opus encoding
- Support lossless sound quality broadcasting, MP3 and Wav encoding
- Support 20 multicast partitions
- Built-in 24MB audio file storage space, support scheduled task broadcast
- Customize audio files for emergency notification and alarm
- 3 short circuit input detection, 1 short-circuit output, linkage security alarm device
- Support external IP camera video linkage
- Support Web remote adjustment volume
- Support PoE/PoE+ power supply or DC24V/2A power supply
- adaptive 10/100 Mbps network port

Device Functions

- Default auto answer (Auto-answering)
- Network time synchronization

- Remote volume adjustment
- Dynamic multicast function
- Action URL / Active URI

Audio

- Audio codecs: G.711A/U, G.729A/B, iLBC, G.723, G.726-32K, G.722, Opus
- DTMF: In-band, out-of-band (RFC2833/SIP INFO)
- Speaker:
 - 5" coaxial treble
 - Frequency response: 100-20KHz
 - Sensitivity: 88dB ± 3dB 1M/1W
 - Impedance: 8 Ω
 - MAX SPL: 105dB
 - Speaker power
 - PoE: Main speaker 8W
 - PoE+: Main speaker 15W
 - DC 24/2A: Main speaker 15W(support external 8 Ω 15W sub speaker)
- Mic
 - Omnidirectional microphone
 - Sensitivity: -38 ± 3dB, impedance 2.2k ohm, bias voltage 2V

Network

- 10/100 Mbps
- Network mode: IPv4/IPv6/IPv4&IPv6
- IP Setting: Static IP / DHCP / PPPoE
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- QoS

Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- PPPoE
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069

Deployment & Management

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PnP/TR-069
- Web management portal

- Web-based Packet-dump
- Configuration export/import
- Firmware upgrade
- Syslog

Physical Specifications

- DC 24V/2A port × 1
 - 2pin Terminal socket
- RJ45 port × 1: connect the Internet or LAN
 - Support PoE power supply (IEEE 802.3at, class 4)
- SPK port × 1: support external 8 Ω 15W sub speakers
- Short circuit input port × 3
- Short circuit output port × 1
 - Max support: 30V/2A
 - Terminal socket
- LED: Blue, green, cyan, can be customized
- DC power input: DC 24V/2A
- Working temperature: -20°C~ 55°C
- Storage temperature: -30°C~ 60°C
- Working humidity: 10~95%
- Installation: Wall-mounted installation, universal bracket installation(optional)
- Color: Black/White
- Device overall dimensions: 184.85mm × 275.38mm × 124.56mm
- Gift box dimensions: 237mm × 350mm × 182mm
- Outer CTN dimensions: 578mm × 375mm × 500mm(6 PCS)

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products.

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