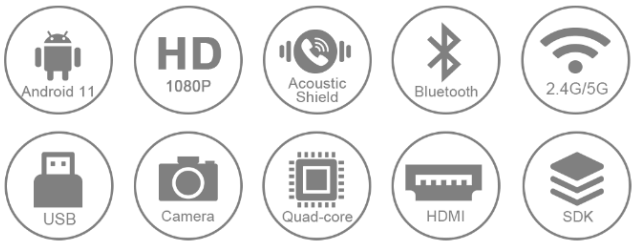
# Maipu VEP620E IP Phone Datasheet

## Overview

VEP620E is an enterprise video phone based on the Android 11 operating system, offering a smoother user experience. Its 8-inch 1280x800 multi-touch IPS screen and HD voice control deliver a realistic visual and audio experience. Furthermore, it features a built-in 8-megapixel camera for convenient and quick video conferencing. For team collaboration, the VEP620E supports an HDMI port for fast screen projection, three multi-functional USB ports, and built-in Bluetooth and dual-band Wi-Fi (2.4G/5G), adapting to more flexible office scenarios and easily improving productivity. It supports T-Flash, significantly expanding the IP phone's storage space. It boasts faster response times and richer expansion capabilities. With the VEP620E, you can better collaborate remotely.




- HD high-definition audio
- 16 SIP accounts
- Android 11 operating system
- Built-in 8- megapixel camera
- 10-party audio and video conferencing (supports 4-party video conferencing)

- Dual gigabit Ethernet ports, supporting PoE power supply
- Advanced AEC, excellent double-talk performance

# Key Features

- **Up-to-date performance, efficient remote maintenance**

Equipped with a quad-core Cortex-A55 CPU, Mali-G52-2EE GPU, 4GB RAM, and 32GB eMMC flash storage, and based on the widely adopted Android 11 operating system, it delivers a smoother user experience. Remote operation is supported for tasks such as automatic device deployment, firmware updates, and device management.

- **Cutting-edge algorithms for intelligent noise reduction ensure uninterrupted calls.**

It supports multiple voice codecs, including Opus, with Opus sampling rates covering 8 kHz (narrowband), 16 kHz (wideband), 32 kHz (ultra-wideband), and 48 kHz (full range). Compared to traditional codecs, it offers superior sound quality and lower audio latency.

Utilizing cutting-edge soundproof enclosure technology and optimized AEC acoustic echo cancellation, it intelligently eliminates ambient noise, showcasing exceptional double-talk performance and reproducing clear and pure vocals.

- **8- inch high-definition touchscreen, intelligent collaborative experience**

VEP620E features an 8-inch high-definition touchscreen and a built-in 8-megapixel high-definition camera supporting 1080p HD video.

The integrated stand is adjustable for different angles and supports wall mounting, meeting various customer needs and suitable for various scenarios.

- **Rich and practical functions, with broad compatibility and interoperability**

It retains the rich and practical functions of traditional SIP phones, is widely compatible with global SIP platforms and devices, and has a variety of built-in native applications for a smooth and efficient smart office experience. In addition to dual gigabit Ethernet ports and PoE power supply, it features dual-band Wi-Fi (2.4G/5G) and Bluetooth 4.2, offering wide coverage and low latency; a built-in USB port; a built-in HDMI port for quick screen mirroring; and a built-in Micro SD card slot for flexible expansion of the phone's memory.

# Technical Specifications

| Product Module | VEP620E |
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| **Phone Features** | ● 16 SIP accounts<br>● Call hold, mute, do not disturb, one-touch dialing, hotline<br>● Call forwarding, call waiting, call transfer<br>● Redial, Callback, Auto Answer, IP Direct Dial<br>● Four-party video conference<br>● 10-party audio and video conferencing<br>● SMS, emergency call<br>● Ringtone selection / assignment, time zone can be selected automatically or manually.<br>● Support dialing plans<br>● Supports RTCP-XR (RFC3611) and VQ-RTCPXR (RFC6035).<br>● Support Action URL/URI<br>● Touch keyboard<br>● USB 2.0 interface: for media, storage, and USB headphones.<br>● Message Center, Control Center<br>● Supports installation of third-party APPs |
| **Contacts** | ● Local phone book: 10,000 entries<br>● Blacklist<br>● XML/LDAP address book<br>● Intelligent Search<br>● Contacts search / import / export<br>● History: All records / Dialed numbers / Received numbers / Missed calls / Call forwarding |
| **Function Keys** | ● 12 numeric keypads<br>● Eight function keys: Mute, Messages, Headphones, Video, Redial, Call Forwarding, Call Hold, and Hands-free.<br>● Volume control buttons |
| **Video Features** | ● Supports 1080p high-definition video.<br>● Video encoding/decoding: H.264, H.264HP, H.265, VP8<br>● Built-in 8-megapixel camera |
| **IPPBX Features** | ● BLF<br>● BLA<br>● Anonymous calls, anonymous calls rejected<br>● Voice information<br>● Broadcast<br>● Call waiting, call answering |

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| | ● Play music while the call is on hold<br>● Mobile office<br>● Call recording |
| **Audio Characteristics** | ● High-definition audio quality: HD codec, HD controller, HD hands-free.<br>● Encoding/Decoding: Opus, G.722, G.711 (A/μ), G.729AB, G.726-32, iLBC, G.723.1<br>● Supports three DTMF modes: In-band, RFC 2833, and SIP INFO.<br>● Full-duplex hands-free, echo cancellation, noise cancellation, jitter reduction, automatic gain control, packet loss detection, and background noise suppression. |
| **Wi-Fi/ Bluetooth** | ● Built-in dual-band Wi-Fi<br>Network standards: IEEE 802.11a/b/g/n/ac<br>Transmission speed: Up to 867Mbps<br>Frequency range: 2.4 GHz/5 GHz<br>● Built-in Bluetooth 5.0:<br>Bluetooth headphones<br>Bluetooth calling |
| **Management** | ● Three configuration modes: web page, phone - menu, and automatic deployment.<br>● Supports automatic deployment of HTTP/HTTPS/FTP/TFTP/PnP<br>● Supports portable updates, TR-069<br>● Restore factory settings and restart.<br>● Packet capture and system log export<br>● Supports keyboard lock to protect personal privacy<br>● Supports installing or uninstalling apps via auto-provisioning |
| **Network Security** | ● SIPv1 (RFC2543), v2 (RFC3261)<br>● SIP server / proxy redundancy<br>● Supports STUN intranet penetration<br>● IP address allocation mode: Dynamic / Static<br>● Supports HTTP/HTTPS servers<br>● Supports automatic date and time synchronization via SNTP<br>● Supports DNS-NAPTR/DNS-SRV (RFC 3263)<br>● QoS: 802.1p/Q tagging(VLAN),<br>● Layer3 ToS DSCP<br>● Supports TLS/SRTP/ZRTP protocols<br>● Supports TLS 1.3<br>● HTTPS Certificate Management<br>● Configuration file encryption<br>● MD5/MD5-sess message verification mechanisms<br>● IEEE802.1X/OpenVPN<br>● IPv4/IPv6, LLDP/CDP/DHCP VLAN |

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| **Physical properties** | ● The built-in bracket has multiple adjustable angles and can be wall-mounted.<br>● Power supply parameters:<br>Input AC 100~240V, Output DC 12V/2A<br>● Power consumption (PSU): 3.5W-9W<br>● Power Consumption (PoE): 4-10W<br>● Operating ambient humidity: 10~90%<br>● Operating ambient temperature: 0~40°C<br>● Storage temperature: -10~60°C |
| **Interfaces** | ● Dual Gigabit Ethernet ports<br>● Supports PoE (Power over Ethernet) (IEEE 802.3af) , Class 3<br>● One USB Type-A port (USB 2.0)<br>● One USB Type-A port (USB 3.0)<br>● One USB Type-C port (USB 2.0)<br>● One gamepad connector: RJ9 (4P4C)<br>● One headphone/microphone jack: RJ9 (4P4C)<br>● 1 HDMI port<br>● One micro memory card interface<br>● 1 security lock hole |
| **Outer Box Packaging** | ● Packing list:<br>-Telephone<br>- Support<br>-Handle<br>-Handle cable<br>-Network cable<br>-Quick Installation Manual<br>-Power adapter (optional)<br>● Quantity / box: 5pcs<br>● Net weight /CTN: 9.75kg<br>● Gross weight /CTN: 10.60kg<br>● Color box dimensions: 335mm (L) * 265mm (W) * 120mm (H)<br>● Outer box dimensions: 635mm (L) * 345mm (W) * 285mm (H) |

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