

- Power over Ethernet (PoE+)
- 8 SIP accounts
- Gigabit Ethernet ports
- High quality of sound
- Programmable keys
- AutoProvision (DHCP, Static, TR-069)
- Headset connection
- Large LCD
- Modern design
- Up to 3 extension consoles connectivity



VP-30P is an up-to-date multifunctional IP phone designed for offices. High-resolution color LCD and high-performance hardware provide an intuitive interface and instant system response. The integrated gigabit switch enables connection of user's PC and IP phone to the same Ethernet switch physical port.

Business Solution

VP-30P is designed for companies with high requirements for reliability, usability, and quality of voice data transmission.

High Quality of Sound

The high performance and reliability of VP-30P are provided by the hardware based on advanced chips. Usage of Echo cancellation and Silence Detector, as well as support for all main audio codecs used in VoIP networks (G.711A, G.711U, G.722, G.726, G.729, OPUS, iLBC), ensures high quality of voice data when working in both networks with high and limited bandwidth.

Redundancy

In case of main IP-PBX connection failure, VP-30P is switched automatically to a redundant SIP server with main server state control.

AutoProvision

AutoProvision (AP) subsystem is used for automatic configuration, update and state monitoring of subscriber's equipment. The subsystem allows transparent replacing of a phone with a new one (any vendor). After replacing a phone, the configuration will be adapted automatically.

Elph Desktop

The Elph Desktop application is designed for phone services extension. The application allows answering a call, arranging calls via a click-to-call mechanism, and viewing call history by searching and filtering according to a subscriber's name, phone number, etc.

Usability

Convenient key location, intuitive menu, and user-friendly web interface provide usability of VP-30P in corporate telephone networks. Support for up to three VP-EXT22 consoles extends the phone capabilities and increases the number of keys, which can be programmed at user's convenience.

Features and capabilities

Phone features

- 8 SIP accounts configured independently
- Support for BLF
- Programmable keys
- Flexible dialplan
- Displaying of caller name and number (CallerID)
- Mute
- Keep Mute
- Redial
- Different ringtones for accounts
- Opportunity to upload ringtones
- Support for speakerphone
- Support for speakerphone with Double Talk
- Support for headset

Value added services

- Call Hold
- Call Transfer
- Call Waiting
- Call Forwarding Busy (CFB)
- Call Forwarding No Reply (CFNR)
- Call Forwarding Unconditional (CFU)
- Do Not Disturb (DND)
- Caller Line Identification Restriction (CLIR)
- Local 3-Way Conference
- Remote Conference (RFC4579)
- Hotline/Warmline
- Answering an intercom call
- Automatic Call Answer
- Call Pickup
- Directed Call Pickup
- Group Call Pickup
- SIP MESSAGE¹
- Recording phone conversations to an external USB drive¹
- Screenshots

Display, indicators and keys

- 4.3 inch (109 mm) backlit color display with 800 × 480 resolution
- Background drawing
- Screensaver
- Two-color phone state LED indicator
- Two-color programmable keys LED indicators
- Functional keys with LED indications: message, headset, microphone mute, speakerphone
- Functional keys without LED indications: conference, call hold, call transfer, redial, volume adjustment
- 10 programmable keys

VoIP protocol

- SIP v1 (RFC2543), v2 (RFC3261)

Audio codecs and voice settings

- Voice codecs: G.711 (a-law, μ-law), G.722, G.723.1, G.726-24, G.726-32, G.729, OPUS, iLBC
- DTMF: Inband, RFC2833, SIP INFO, RFC2833 + SIP INFO
- Voice Activity Detection (VAD)
- Acoustic Echo Suppression (AES)
- Comfort Noise Generation (CNG)

Phonebook

- Local phonebook for 1000 phone numbers
- XML and CSV remote phonebooks
- LDAP Remote Phonebook
- Searching in phonebooks
- Call history: dialed, received, missed, and forwarded calls
- Call history with the ability to save up to 100 records of completed calls in the device's permanent memory

Integration with IP PBX

- Geographical redundancy of SIP server (support for up to 5 redundant servers)
- Operation without SIP server
- Busy Lamp Field (BLF)
- Visual display of calls available for interception

Diagnostics

- Monitoring of device status via web interface
- Displaying of debugging information in Syslog
- Output of debugging information in USB¹

Monitoring and management

- Web interface
- SSH
- Telnet
- AutoProvision (DHCP, Static)
- TR-069
- REST API server for certificate management
- Factory reset, reboot
- Access rights differentiation in the phone's display menu
- Option to set a PIN code to access system settings in the phone's display menu

Network protocols and security

- Data network connection (DHCP, Static)
- Time and date synchronization via NTP
- QoS 802.1p, DSCP traffic marking
- Support for NAT-traversal: Public IP
- DHCP VLAN
- SIP over TLS
- LLDP MED
- SRTP
- RADIUS 802.1x
- IPSec²
- Certificate upload
- HTTP/HTTPS web server
- TLS/sRTP
- STUN (RFC5389, RFC8489)¹
- OpenVPN

Technical features

- CPU: 2 cores × 800 MHz
- DDR3: 256 MB
- Flash: 512 MB
- OS Linux
- Software redundancy

¹ The feature will be available in future firmware versions.

² The device supports the following EAP methods: EAP-MSCHAPv2, EAP-PEAP, EAP-TTLS.

Features and capabilities (continued)

Wired interfaces

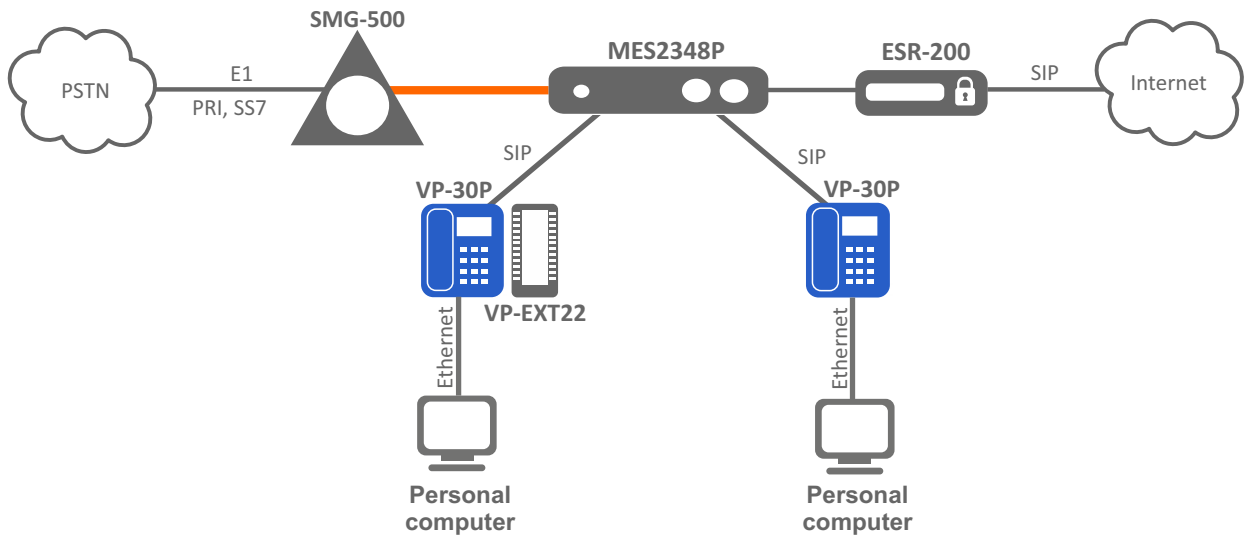
- 2 × RJ-45 10/100/1000 Mbps Ethernet ports
- 1 × RJ-9 (4P4C) for handset connection
- 1 × RJ-9 (4P4C) for headset connection
- 1 × RJ-25 (6P6C) for extension console VP-EXT22 connection
- PoE+ 802.3at (power class 4)
- 1 × USB 2.0 for USB devices¹

- Power adapter (optional): input 100-240 V AC, output 12 V DC, 3 A
- Desktop implementation
- VP-Wall mounting bracket (optional)
- Dimensions (W × H × D): 228 × 86 × 220 mm
- Weight: 1.011 kg
- Operating temperature: from 0 to +40 °C
- Relative humidity at 25 °C: up to 80 %

Physical features

- Maximum power consumption:
 - 15.6 W (without VP-EXT22 extension consoles)
 - 24 W (when three VP-EXT22 extension consoles connected)

Use case



Ordering information

Name	Description
VP-30P	IP phone VP-30P: 2 × 10/100/1000BASE-T (RJ-45), LCD, PoE+

Related products

VP-EXT22	Extension console with 22 keys with LED indication, 3 virtual pages
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Related software

ECSS-AP-10	ECSS-AP-10 option for 10 subscriber devices auto-configuration
ECSS-AP-50	ECSS-AP-50 option for 50 subscriber devices auto-configuration
ECSS-AP-100	ECSS-AP-100 option for 100 subscriber devices auto-configuration

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Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.