



elmeg IP290 VoIP Phone

The power of VoIP for business and home

The elmeg IP290 addresses demanding business customers using the latest VoIP technology. Equipped with a two line graphical display, it supports alphanumeric caller-ID and a feature-rich user-interface. An extra Ethernet port enables users to "daisy chain" the phone with their PCs without the necessity for an extra LAN socket. For hands-free operation a standard PC headset can be used.

Supporting SIP and H.323/H.450*, the elmeg IP290 standards-compliant equipment from other vendors. Advanced features like call pickup and parking or automatic call-back are implemented using latest standards. Its programmable keys make it quick and easy to find numbers and initiate calls. The support for sips and SRTP allow voice conversations on a very high security level. The support of various NAT standards allows the operation in all environments where VoIP is possible.

Technical Data

- **Certifications:** FCC Class B, CE Mark Commercial
- **Dimensions:** ca. 25.5 x 21 x 9 cm (10 x 8 1/4 x 3 1/2")
- **Weight:** ca. 690 g
- **Operating humidity:** 10% to 85%, Non-Condensing
- **Storage humidity:** 5% to 90% Non-Condensing
- **Operating temperature:** 0°C to 40°C (32°F to 104°F)
- **Power:** **5V**
- **Storing temperature:** -20°C to 70°C (-4°F to 158°F)
- **Color:** anthracite blue

Connectors:

- **Network:** RJ45 (Ethernet)
- **PC:** RJ45 (Ethernet)
- **Handset:** RJ14 Standard Handset Connector
- **Headset:** PC Connector Headset
- **Power:** Center pin+

User Interface

- 2 x 24 character display with graphical field (e.g. for operator pictures)
- 30 keys, 6 LEDs
- Last calls (100 entries)
- Address book (100 entries)
- Address book Import/Export
- Number guessing, speed dialing
- Missed calls, dialed calls
- Call waiting indication
- Clock, call-timer
- Caller-ID
- Call blocking (Deny List)
- Two lines
- Administration of 5 parallel calls
- Programmable function keys
- Menu-driven user interface
- Selectable ringing melodies
- Downloadable custom melody
- National language support (NLS)
- Privacy Settings
- Log in/log out
- URL Dialing support
- Do not disturb
- Speakerphone (Full Duplex)
- Auto answer mode
- UTF8-encoded Caller-ID (ALS)
- Multi-Line registration†

Call Features

- Hold
- Blind transfer, Attended transfer
- Music on hold support†
- Divert
- Call intrusion
- Conferencing
- Call park†, Call pick-up
- Call completion (Automatic Redial)†
- CMC (Client Matter Code)

Web Server

- Embedded web server (http, https)
- Easy configuration of the phone, remote configuration
- Dial from web interface
- Password protection
- Diagnostics (tracing, logging)

Presence†

- Presence indication
- Probability registrations
- Compatible with Microsoft™ Messenger™

Codecs

- G.711 aLaw, uLaw
- G.729A
- G.722*, G.723.1

Security

- SIPs
- https interface
- Secure media via SRTP using 128-bit AES

SIP

- RFC3261 compliant
- UDP and TCP support
- Digest authentication
- Loose routing and strict routing support
- Error-information support
- Distinctive Ringing (Alert-Info)
- Reliability of provisional responses (RFC3262)
- DNS SRV (RFC3263), redundant server support
- Offer/answer (RFC3264)
- Message waiting indication reception, subscription for
- Vmail & SMS (RFC3265)
- Session-Timer
- Dialog-State
- In-band and out-of-band DTMF
- In-band DTMF
- Out-of-band DTMF (RFC2833)
- STUN client (NAT traversal), ICE support
- UPnP client (NAT traversal)
- ENUM (RFC3261)
- NAPTR (RFC2915)
- rport (RFC3581)
- REFER (RFC3515)
- Outbound proxy support, initial route

H323*

- Fast start, early start
- H.245 tunneling
- H.450.2 (call transfer), H.450.3 (divert), H.450.4 (hold), H.450.5 (call park/pickup), H.450.7 (message waiting indication), H.450.9 (call completion), H.450.11 (call intrusion)
- Short message reception
- Out-of-band DTMF negotiation
- User input indication via H.245
- PBX codes (conference, pickup, divert, hold, transfer)
- Alternate Gatekeeper support
- Automatic Gatekeeper detection
- Configurable gatekeeper TTL
- Automatic settings retrieval from Gatekeeper
- Gateway or Gatekeeper mode
- Facility based supplementary services
- Gateway/External line prefix support

Installation

- Static IP provisioning, DHCP
- http/https client for configuration
- Automatic software update
- Completely automatic installation from web
- Daylight saving time

Ethernet

- 2 port with switch included (802.3 10/100 BT half duplex/full duplex with autosense)

† SIP only

* in preparation

** 3rd party OEM product