EMERGENCY COMMUNICATIONS

S-109 Series

VoIP Emergency Telephone (SOS)

PRODUCT OVERVIEW

The metal-bodied S-109 Series is designed to resist oxidation and vandalism. It can be installed indoors without a separate enclosure and outdoors within a protective hood.

ENCLOSURE

1.20 mm sheet metal

DIMENSIONS

170 × 275 × 90 mm

WIDTH × HEIGHT × DEPTH



PUSH-BUTTON VERSION

IP54	3 W	96 dB	PoE
Ingress protection	Class D amplifier	Max. ringer level	802.3af / 802.3at

APPLICATIONS

- Tunnels
- Highways
- Railway lines and platforms
- Airport terminals
- Parks and bus stops
- Hydroelectric and geothermal power plants
- Solar power plants

Software features

FEATURE	DESCRIPTION
Call features	2 SIP accounts, call forwarding, transfer and hold, emergency calling, auto-answer, redial, direct IP dialing and call blacklisting. Optional LCD.
IP PBX features	Intercom, call pickup, call park, anonymous calling, anonymous call rejection and conference calling.
Advanced features	Action URL, Active URI, CSTA and multicast paging.
Audio features	VAD, CNG, AEC, PLC, AJB and AGC. Full-duplex speakerphone with AEC.
Codec support	Narrowband · G.711 (A-law/μ-law), G.729A/B/AB, G.726 and iLBC. Wideband · G.722 and L16.
Network features	IPv4 and IPv6, VLAN, LLDP, CDP, OpenVPN, IEEE 802.1X, STUN for NAT traversal and RPORT. QoS (IEEE 802.1Q/p VLAN tagging) and Layer 3 QoS (ToS, DiffServ, MPLS). SIP proxy and peer-to-peer modes. DNS SRV (RFC 3263). DTMF via in-band audio, RFC 2833 or SIP INFO. HTTP/HTTPS web server. LAN/PC bridge mode and auto-negotiation. PC port packet monitoring with export via the web interface. DHCP Option 12 (Host Name) and Option 60 (Vendor Class Identifier). Syslog support.
Security	TLS, HTTPS, SRTP (RFC 3711), digest authentication (MD5 / MD5-sess), AES-encrypted configuration files, phone lock and administrator/user access controls.
PBX compatibility	3CX, BroadSoft, Asterisk, Elastix, Trixbox, FreeSWITCH, Huawei, Avaya, Mitel, Unify, ZTE, Ericsson-LG, Karel, Telesis, Alcatel.
Management and configuration	Web interface and Telnet.

Technical specifications

Enclosure and environment

Enclosure	1.20 mm sheet metal alloy
Enclosure color	Color options available
IP rating	IP54
Operating temperature	-25 °C to +65 °C
Relative humidity	≤ 95%

Network and power

Connection	RJ45 · “2.54 Pin” [3] · screw-terminal connector
Data rate	10/100 Mbit/s (full/half duplex)
Cable type	Cat 5 / Cat 6
Protocol	SIP over UDP/IP
Power supply	PoE 802.3af / 802.3at 9-24 V DC, 1 A adapter
Interface language	Turkish / English

Audio

Amplifier	Class D, 3 W
Ringer level	Max. 96 dB
Audio bandwidth	7-16 kHz

Handset and hookswitch [1]

Handset	IP66 · 40-60 cm steel-armored cord. Optional cord lengths available. Ambient noise ≤ 60 dB [2]
Hookswitch	IP66 · aluminum alloy housing · electromagnetic operation

Controls and I/O

Keypad	6 × 6 alphanumeric, 36 keys (optional)
LED indicators	7 programmable LEDs. Idle, call in progress, incoming call, network fault, receiving network information, registered and unregistered.
I/O inputs	2
Relays	2 (optional). Contacts programmable by day, hour and second.
Relay logging	Supported
Programmable keys	7 (optional)
Speed dial	Supported
Speed-dial buttons	1-7 illuminated stainless steel buttons, IP66 (optional)
RFID card module	Available as an option

[1] The source shows a handset version. Applicability of these specifications to the cover version requires confirmation.
[2] Measurement conditions for the handset ambient noise figure require confirmation.
[3] The unit and pin pitch of the source entry “2.54 Pin” require confirmation.

WIDTH	HEIGHT	DEPTH
170 mm	275 mm	90 mm

© 2026 Limpid · İZKOM İLETİŞİM