EMERGENCY COMMUNICATIONS

D Series

VoIP Emergency Telephone with Handset

PRODUCT OVERVIEW

The aluminum-bodied D Series is designed to withstand weather exposure and vandalism. Once fully installed, it provides IP66 ingress protection and is suitable for indoor and outdoor use.



ENCLOSURE

Aluminum alloy

DIMENSIONS

190 × 250 × 70 mm

WIDTH × HEIGHT × DEPTH

IP66	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	Aluminum alloy
Enclosure color	Color options available
IP rating	IP66
Operating temperature	-25 °C to +65 °C
Relative humidity	≤ 95%

Network and power

Connection	RJ45 · “2.54 Pin” [1] · 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

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	4 × 4 alphanumeric, 16 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 unit and pin pitch of the source entry “2.54 Pin” require confirmation.
[2] Measurement conditions for the handset ambient noise figure require confirmation.

WIDTH	HEIGHT	DEPTH
190 mm	250 mm	70 mm

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