

D2SW IP PHONE

The D2SW IP Phone supports 2.4G Wi-Fi and single 100M Ethernet port. Its high voice quality, hands-free operation, simple keys, and innovative multi-scenario usage mode deliver a great experience — designed for enterprises and operators with full IPv4/IPv6 support.

6 SIP Accounts | 2.4G Wi-Fi | 128×64 LCD | OpenVPN / LLDP / 802.1X



01 OVERVIEW

The Cerdik D2SW is an economical Wi-Fi IP phone combining wireless convenience with enterprise-grade features. Featuring a 128×64 backlit LCD, 6 SIP accounts, 2.4GHz 802.11b/g/n Wi-Fi, 13 programmable keys, and multi-scene DSS expansion (up to 12 keys), the D2SW delivers reliable connectivity for any workspace. With OpenVPN, LLDP, 802.1X security, auto provision, CDMP, and compatibility with all major IP PBX platforms and cloud voice services, it is the ideal economical Wi-Fi phone for modern enterprise deployments.

02 WHY CHOOSE D2SW

WHY/01	Wi-Fi Flexibility 2.4G Wi-Fi (802.11b/g/n) with IEEE 802.11e QoS eliminates cabling constraints while maintaining reliable, high-quality voice.
WHY/02	Multi-Scene Productivity 13 programmable keys with up to 12 expandable DSS keys — personalize button layouts to match team workflows and habits.
WHY/03	HD Hands-Free Audio Sealed electroacoustic cavity and HD full-duplex speakerphone with AEC deliver excellent hands-free voice quality.
WHY/04	Enterprise Security OpenVPN, LLDP, 802.1X, TLS, SRTP, and AES config file encryption provide multi-layer enterprise-grade protection.
WHY/05	Seamless Deployment Auto provision (WAN/LAN), CDMP device management, PnP, RPS, and broad PBX compatibility for fast, centralised rollouts.

03 KEY FEATURES

◆ 2.4G Wi-Fi (802.11b/g/n)	◆ 128×64 full-view backlit LCD
◆ 6 SIP accounts, 2 line buttons	◆ 13 programmable keys (Multi-Scene)
◆ 12 expandable DSS keys	◆ HD full-duplex speakerphone (AEC)
◆ OpenVPN, LLDP, IEEE 802.1X	◆ 3-way conferencing
◆ Local phonebook up to 1,000 contacts	◆ LDAP, XML remote phonebook
◆ Auto provision (DHCP, PnP, RPS, TR069)	◆ CDMP Centralized Device Management

04 TECHNICAL SPECIFICATION

DISPLAY & BASIC

DISP

SCREEN	128×64 graphic character dot matrix, full-view backlight LCD
SIP ACCS	6 SIP accounts, 2 line buttons
PHONEBOOK	Local up to 1,000 contacts
CALL LOG	400 total (dialed/received/missed/forwarded)

KEYS

KEY

STATUS IND.	1 Status Indicator
LINE KEYS	2 Line keys
SOFT KEYS	4 Soft keys
NAV KEYS	5 Navigation keys
VOLUME	2 Volume keys
FUNC KEYS	5 Function keys (Voicemail, Mute, Redial, Headset, Hands-free)
SPECIAL	1 Multi-scene key

CALL FEATURES

CALL

BASIC	Call Forward, Transfer, Waiting, Hold, Auto Answer, Redial, Mute, DND
CONF	Local 3-Way Conferencing, Speed Dial, Voice Mail, Hotline
IP PBX	Intercom, Paging, Call Pickup, Call Park, Anonymous Call
GROUP	Group Pickup, DND & Call Forward State Synchronization

AUDIO FEATURES

AUD

CODECS NB	G.711(a/μ), G.729A/B/AB, G.726, iLBC
CODECS WB	G.722, L16
FEATURES	VAD, CNG, AEC, PLC, AJB, AGC, Full-duplex speakerphone with AEC
RINGTONES	5 (system or custom), 8-level volume adjustable
STANDARD	G.165 and G.168

WI-FI FEATURES

WIFI

BAND	2.4GHz based on IEEE 802.11b/g/n
QOS	Enhanced support for IEEE 802.11e QoS

NETWORK FEATURES

NET

IP	IPv4 & IPv6, OpenVPN, LLDP, IEEE 802.1X
SIP	Proxy mode, Peer-to-Peer, DNS SRV (RFC3263)
DTMF	In-band, RFC2833, SIP INFO
OTHER	STUN NAT Traversal, RPORT, HTTP/HTTPS web server, syslog

SECURITY

SEC

PROTOCOL	TLS, HTTPS, SRTP
ENCRYPT	AES encryption for configuration files
ACCESS	Phone lock, Admin/User level access control

MANAGEMENT

MGT

PROVISION	FTP/TFTP/HTTP/HTTPS, DHCP Option 66/128–254, PnP, RPS, TR069
CONFIG	Web interface / phone UI, Import/Export CFG, Periodic update
PLATFORM	CDMP Centralized Device Management Platform

PHYSICAL

PHY

POWER	DC 5V–0.6A
PORTS	1× RJ45 Ethernet, 1× RJ9 headset, 1× RJ9 handset
POWER CONS.	2.1W maximum
TEMP	Operating: -10 – 50°C, Humidity: 10 – 90%