

CD20 IPPABX SYSTEM

A compact 4 FXS / 4 FXO IP-PBX engineered for small and medium enterprises. Embedded multi-core ARM Linux architecture delivers carrier-grade call control, encrypted SIP trunking, and secured remote management inside a space-saving desktop chassis. Certified by TM MLS

4 FXS • 4 FXO | SIP / TLS / SRTP | ARM LINUX CORE | 2×GbE + SFP



UNIT – CD20 • 200 × 118 × 40 mm

01 OVERVIEW

The Cerdik CD20 IPPABX is a telecommunication platform built for Small and Medium Enterprises (SMEs) and SOHO environments. With 4 FXS and 4 FXO ports, this compact yet powerful system delivers high-performance voice communication while optimizing rack space and reducing operational costs — a drop-in upgrade path away from legacy PBX hardware. Support up to 200 extensions and 50 concurrent channels.

02 KEY BUSINESS BENEFITS

- BEN/01 Cost-Effective Scalability**

Eliminates the need for expensive traditional PBX systems, offering a budget-friendly upgrade path as you grow.
- BEN/02 Seamless Compatibility**

Supports SIP protocol and integrates flawlessly with leading IMS/NGN platforms, IPPBX, and SIP servers.
- BEN/03 Superior Voice Quality**

Advanced codecs — G.711A/U, G.729, G.722, iLBC — for crystal-clear audio on every call.
- BEN/04 Space-Saving Design**

Sleek, compact casing fits effortlessly into small offices or remote work setups.
- BEN/05 Reliability & Efficiency**

Built for 24/7 operation, ensuring uninterrupted business communications and boosting customer satisfaction.

03 KEY FEATURES

◆ Supports up to 8 ports (4 FXS + 4 FXO)	◆ Parameter management and call control
◆ 2× Gigabit adaptive RJ45 ports + 1 SFP port	◆ Encrypted communication with TLS & SRTP
◆ Embedded multi-core ARM Linux architecture, factory reset supported	◆ IP backup and multiple SIP server registration
◆ Built-in security center to prevent hacking / toll fraud	◆ 3-way calling, call transfer, call waiting
◆ Windows shared drive recording	◆ Remote management supported
◆ Flexible routing based on time, number, source, or IP	◆ Online firmware updates, backup / upload config

04 TECHNICAL SPECIFICATION

FEATURES		CORE
PERFORMANCE	Stable performance, flexible dial plans, user-friendly Web GUI	
PROTOCOL	SIP VoIP compatibility	
SYSTEM FEATURES		SYS
TIME SYNC	RTC, NTP, client-side sync	
MAINTENANCE	Online firmware updates, backup / upload config	
DIAGNOSTICS	Logging, auto restart, call status, language (EN/CH)	
ROUTING	Inbound / outbound routing, factory reset	
RECORDING	Build in SD slot	
AUDIO FEATURES		AV
CALL CTRL	Volume/gain control, hold/wait/transfer, caller ID	
SIGNALING	Dial plan matching, 3-way calling, fax (T.38/T.30), FSK/DTMF	
TUNING	Ring cycle/frequency setup, WMI, echo cancellation, jitter buffer	
SIP FEATURES		VOIP
ACCOUNTS	Add / edit / delete SIP accounts (bulk supported)	
REGISTRATION	Endpoint-to-gateway, gateway-to-server modes	
MULTI-SERVER	One SIP account can register to multiple servers	
NETWORK SPEC		NET
ADDRESSING	Static IP, DHCP	
PROTOCOLS	NAT, HTTP/HTTPS, VPN client	
TOOLS	Network diagnostic tools included	
PORTS		I/O
VOICE	4× FXS + 4× FXO	
WAN	1× 10/100/1000 Base-T RJ45	
LAN	1× 10/100/1000 Base-T RJ45	
UPLINK	1× 10/100/1000 Base-T SFP	
SECURITY		SEC
ENCRYPTION	TLS & SRTP encrypted communication	
PROTECTION	Built-in security center — hacking / toll-fraud prevention	