

RXW-SIP300PBX



MAX. IP/SIP EXTENSIONS	168
MAX. BUILT-IN ANALOG EXTENSIONS	48
MAX. IP TRUNKS	216
MAX. BUILT-IN ANALOG TRUNKS	48
MAX. CONCURRENT CALLS	90

The RXW-SIP300PBX is a highly integrated hybrid IP-PBX system supporting up to 200 IP extensions, designed for scalable enterprise communication. With its high-performance architecture and XML/HTTP-based API, it offers a cost-effective solution for high-end contact centers with up to 60 agents. Powered by Roxwell's advanced VoIP technology, the SIP300PBX- T ensures seamless connectivity across PSTN lines, analog terminals, SIP trunks, and IP-based voice stations—enabling smooth migration and unified communications in diverse network environments

This SIP-based intercom server enables reliable two-way communication by connecting with broadcast terminals, alarm gateways, IP cameras, voice gateways, and IP phones. It supports features such as voice calls, group calling, real-time monitoring, emergency alarms, zone broadcasting, background music, and security system integration. Designed for robust performance and wide compatibility, it is ideal for use in diverse environments including banks, smart city application, schools, tourist sites, mining and metallurgical facilities, petrochemical plants, power stations, ports, prisons, military bases, and highways .

Supports amplified intercom with flexible point-to-point, group, and full-area broadcast capabilities for clear, zone-specific communication. Enables two-way audio, video intercom, multi-party communication, call recording, hunt groups, call queuing, forced call insertion/removal, environmental monitoring, and real-time call supervision.

- Two-way communication – Clear and reliable audio interaction
- Group calling – Effortless communication across multiple endpoints
- Real-time monitoring – Live audio and video feeds for surveillance
- Emergency help alarms – Immediate alerts for critical situations
- Zone-based broadcasting – Targeted announcements to specific areas
- Background music playback – Enhances environment with audio streaming
- Security system integration – Automatic linkage with security and fire systems
- Scalable architecture – Supports expansion across large facilities

PROTOCOLS	
CALL CONTROL	SIP/UDP and SIP/TCP (RFC3261), IMS (3GPP)
NETWORK	Telnet, SSH, HTTP, HTTPS, DHCP/PPPoE client, DNS (A/SRV record), STUN

RXW-DCS3025

Desktop Call Station



MEDIA PROCESSING	
CALLER ID	SIP/UDP and SIP/TCP (RFC3261), IMS (3GPP)
CODEC	Telnet, SSH, HTTP, HTTPS, DHCP/PPPoE client, DNS (A/SRV record), STUN
DTMF	In-band audio, RFC2833, SIP-INFO
HOOK-FLASH	Local processing, RFC2833, SIP-INFO
FAX OVER IP	T.38, G.711 pass-through T.38 compliant Group 3 Fax Relay Maximum fax rate of 33,600 bps (pass-through)
Disconnect mode	Polarity reversal, Busy tone detection, Loop current
VOICE-QUALITY	Echo cancellation (G.168-2004), Jitter buffer,
ENHANCEMENT	Silence suppression (VAD, CNG), PLC

VOICE	
SMART AUTO- ATTENDANT/ RECEPTIONIST	Business/non-business hours/holiday, Music on hold, Attendant group, Multilingual/multi-level IVR, Auto attendant profiles, VIP service
DIALING	Speed dial, Outgoing route selection, Least-cost routing, Automatic route selection
CALL SETTINGS	Call transfer, Call forward, Do not disturb, Barge, Silent monitoring etc.
CALL RECORDING	Through internal storage or Roxwell pbx record software
DEVICE	Equipment Management System,
MANAGEMENT	TR-069 management (TR-069, TR-104, and TR-106), SNMP
AUTO PROVISIONING	Download configuration file via TFTP/FTP/HTTP/ HTTPS, Obtaining ACS address via DHCP option 66 or redirection
API	XML/HTTP
LOG	8-level log management, Syslog, Internal USB flash drive (16 GB)
DATA CAPTURE	Port capture, Packet capture
CONFIGURATION	Bulk import/export. Resetting to the factory default
STATUS AND STATISTICS	Call status and history, Device status monitoring and statistics collection
MONITORING/ ALARMING	Status/performance monitoring or reporting. Status/performance alarms

OTHER	
MULTI-SITE VOICE	Multi-site networking across NAT without the need of static IP address, DDNS or port mapping on the access router. Uniform dial plan, Call forward, Call transfer. Outbound-trunk sharing, Three-way calling, Attendant on remote site
QOS	DiffServ, TOS, 802.1p/q VLAN tagging
INTERNAL STORAGE	Local recording, Voicemail, Customer information, User-uploaded IVR file

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Desktop Call Station



HARDWARE	
CPU	1 Ghz
RAM	256 MB, DDR3
FLASH	32 MB
MOUNTING	Rack
FAX OVER IP	Voice DSP module
SINGLE/DUAL AC POWER SUPPLIES	100 to 240 VAC, 50/60 Hz, 1.2A maximum
SINGLE/DUAL DC POWER SUPPLIES	-36 to -72 VDC, 2.5A
POWER CONSUMPTION	60 W maximum
OPERATING	Temperature: -40 to 70°C, Humidity: 5% to 90% RH (non-condensing)
COMPLIANCE	CE,FCC,ROHS
H×W×D (1U)*	44×440×260 mm

Disclaimer: As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification on without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.