



G401

PRI VoIP Gateway

ZYCOO G401 is a powerful enterprise-grade PRI Gateway designed to ensure reliable and high-quality voice and data transmission through E1/T1 port. G401 gateway utilizes the standard SIP protocol and is equipped with 1 E1/T1 port. It complies with the Primary Rate Interface (PRI) standard, supporting 30 B-channels for voice and data and 2 D-channels for signaling and control. G401 gateway seamlessly connects to PBX and PSTN, offering an ideal solution for enterprises and organizations of various scales. The simple deployment, user-friendly operation, and easy management features make the G-Series an ideal choice for communication needs in enterprises.

Application Scenarios



Office Buildings



Financial Institutions



Government Agencies



Retail Stores



Health Care



Hotel



School



Industrial Facilities

Feature Highlights



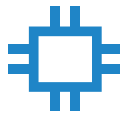
Standard SIP

The G401 gateways support the standard SIP protocol, enabling compatibility with IP-PBX systems and facilitating modern communication solutions.



Full Concurrent Calls

The G401 gateways' full concurrent calls support allows it to simultaneously handle multiple communication channels, greatly enhancing system efficiency and performance.



Multiple Audio Codecs Support

The gateways support various audio codecs, allowing swift conversion between analog and digital voice signals. The supported mainstream codecs include G.722/G.711 - Ulaw/G.711 - Alaw/G.726/G.729/GSM/SPEEX.



Easy Configuration & Management

With a Web-based graphical user interface, administrators can easily configure and monitor lines.



QoS Support

QoS features supported, including traffic shaping, bandwidth management, and packet priority sorting, ensure high-quality voice transmission and call experiences.



Stability and Reliability

The G401 gateways boast excellent hardware design, reducing the likelihood of device failures. Additionally, the gateways are equipped with overcurrent and overvoltage protection mechanisms (ITU-T, K.21), guaranteeing continuous service.



HQ Voice

Superior audio processing technology minimizes noise and packet loss during calls, ensuring high-quality voice transmission and call experiences.



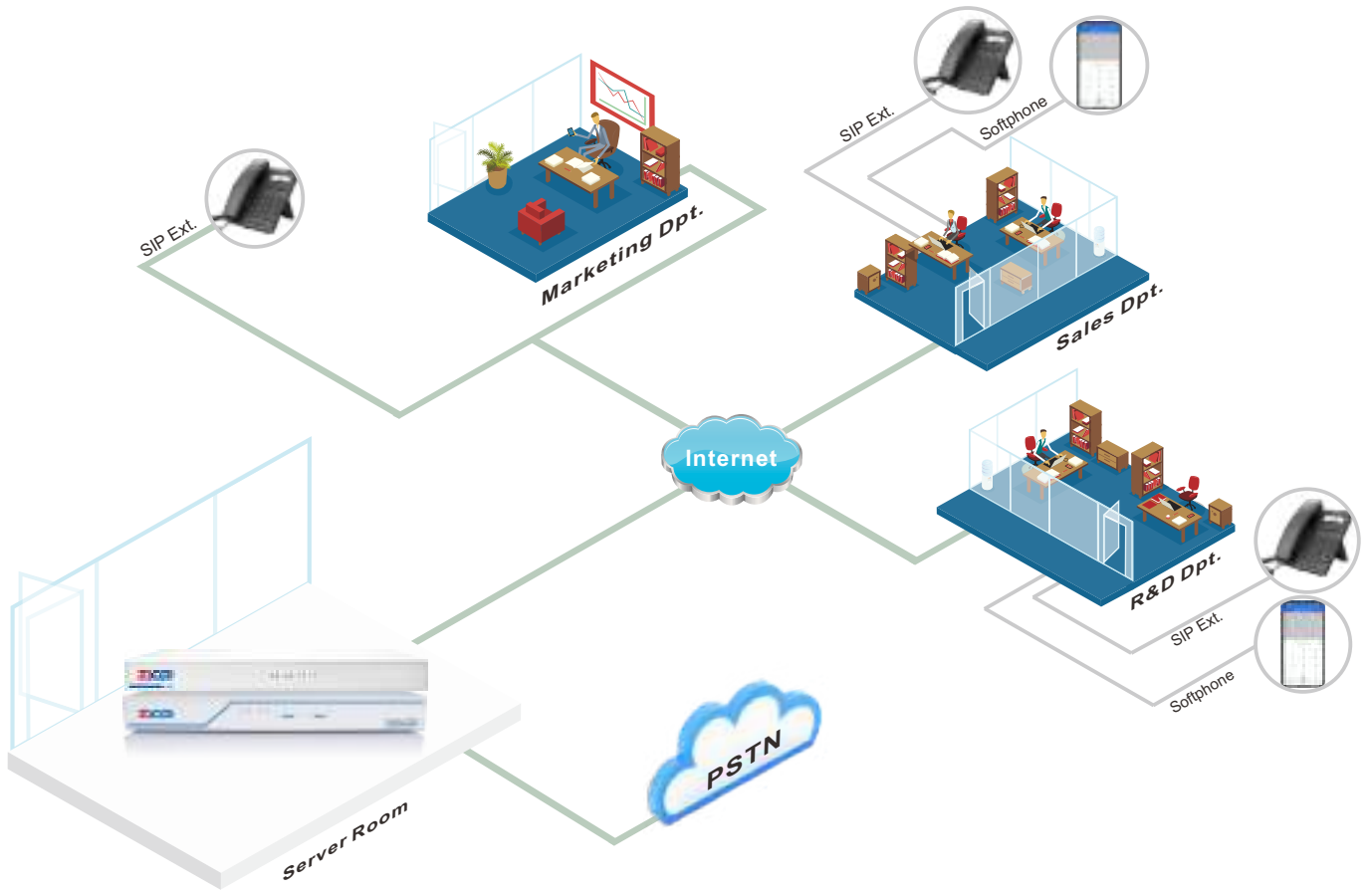
Security Assurance

G401 gateways provide advanced security features such as encryption, authentication, and access control, protecting against voice traffic interception and unauthorized access, thereby ensuring reliable protection of communication data and privacy.

Hardware Specifications

Port	
Analog Port	1 x E1/T1 Port
Network Port	1 x 10/100Mbps, 1 x 10/100/1000Mbps Ethernet Port
Mechanical Properties	
Processor	1.5GHz Quad-core A53 processor
Memory	1GB DDR3 SDRAM
Storage	8GB SD Card
Power Input	100 - 240V AC, 50/60Hz
Dimension	440mm*171mm*44.5mm
Mounting Methods	1U Standard Mounting
Voice	
Communication Protocol	SIP (RFC3261)
Audio Codec	G.722/ G.711 - Ulaw/ G.711- Alaw/ G.726/ G.729/ GSM/ SPEEX
Transport Protocol	UDP,TCP,TLS
Voice Characteristics	Echo Cancellation, Dynamic Jitter Buffer
DTMF Mode	RFC2833, SIP Info, In-band
Management	
System Management	Web Management, Call Records, System Logs, Ping, TCP Dump, Channel Monitor, CMD CLI, Trace Route, API
PRI Characteristics	
Signaling	PRI
Caller ID	BELL202, ETSI(V23), DTMF-based CID
Disconnect Methods	Busy Tone, Polarity Reversal
Environmental	
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Humidity	10~90% (Non-condensing)

Topology Diagram





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