

SunComm

SunComm Technology Co., Ltd.

GATEWAY TO SUCCESS



SC-04-S VoIP Gateway with 4 port FXS



The SC-04-S VoIP Gateway with 4 Port FXS is a multifunctional VoIP gateway with 1000Mbps full-duplex connectivity capability. The gateway offers 2 fast Ethernet ports and 4 FXS RJ11 telephone ports, enabling seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines, and PBX systems. It is ideally suited for small and medium enterprises, service providers, and multi-location environments that require VoIP services. The SC-04-S supports the standard SIP protocol and is compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.

Key Features

- Cost effective gateway with 4 FXS ports
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U, G.723.1, G.729A/B, iLBC
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

Physical Interfaces

Capacity

4 FXS, RJ11

Ethernet Interfaces:

1* WAN, 100/1000Mbps, RJ-45

1* LAN, 100/1000Mbps, RJ-45

Voice & FAX

- G.711A/U law, G.723.1, G.729A/B, G.726, iLBC
- Silence Suppression
- Comfort Noise Generation (CNG)
- Voice Activity Detection (VAD)
- Echo Cancellation (G.168), with up to 128ms
- Adaptive (Dynamic) Jitter Buffer
- Hook Flash
- Programmable Gain Control
- T.38/Pass-through
- High speed fax up to 14.4kbps
- Modem/POS
- DTMF mode: Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q (Voice/data/management VLANs)
- Layer3 QoS and DiffServ

Supplement Service

- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Forward on Busy
- Call Forward on No Reply
- Unconditional Call Forward
- Warm/Immediately Hotline
- Call Hold
- Do-not-disturb
- 3-Way Conference
- Message Waiting Indicator
- Speed Dial

Environmental

Power Supply:

- 100-240VAC, 50-60 Hz @ DC12V 1A
- Power Consumption: 5W (Typical)
- Storage Temperature: -20 °C ~ 80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions (W/D/H): 194*110*28mm
- Unit Weight: 0.3kg

FXS

- Connector: RJ11
- Dial Mode: DTMF and Pulse
- Pulse: 10 and 20 PPS
- Caller ID: DTMF/FSK CLI Presentation
- Max Cable Length: 3KM
- ReversedPolarity
- Programmable Call Progress Tone

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE/IPv4/IPv6
- OpenVPN
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation

Maintenance

- SNMP v1/v2/v3
- TR069, TR181
- Auto Provisioning
- Web/Telnet
- Configuration Backup/Restore
- Firmware Upgrade via Web
- CDR
- Syslog(Emerg,alert, critical,error warning,notice,info, debug)
- Ping/Tracert Test
- Network Capture
- Outward Test(GR909)
- NTP/Daylight Saving Time
- IVR local Maintenance
- Cloud-based Management

VoIP

Protocol:

- SIP v2.0 (UDP/TCP),RFC3261,
- SDP(RFC2327),RTP(RFC2833),
- RFC3262,3263,3264,3265,3515,2976,
- 3311,ETC (3GPP TS24.629), 3891,3892
- SIP over TLS
- RTP/SRTP/RTCP, RFC2198, 1889
- RFC4028 Session Timer
- RFC3266 IPv6 in SDP
- RFC2806 TEL URI
- RFC3581 NAT,rport
- Primary/backup SIP server
- Outbound Proxy
- DNS SRV/ A Query/NATPR Query
- SIP Trunk
- Early Media/Early Answer
- NAT:STUN, Static/Dynamic NAT

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