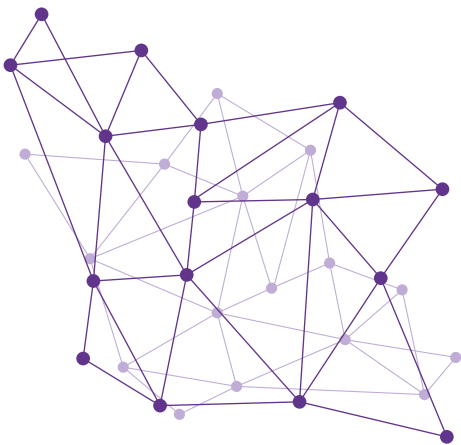


TECHNICAL DESCRIPTION

SNR-VG-1000-8S

8 FXS Analog VoIP Gateway



SNR-VG-1000-8S is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. The device offers 8x FXS ports, fax over IP and flexible dial plans. It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

SNR-VG-1000-8S supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.

Key features:

- Cost effective gateway with 8x 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, AMR, G.726
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

Specifications:

Physical Interfaces

- Capacity: 8xFXS, RJ11
- Ethernet Interfaces: 1xWAN, 10/100Mbps, RJ-45
3xLAN, 10/100Mbps, RJ-45
- Console N/A

FXS

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

Voice&FAX

- Codec: G.711A/U law, G.723.1, G.729A/B,G.726, AMR,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
- Modem/POS
- DTMF mode: Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q
- Layer3 QoS and DiffServ
- MOS: 4.192 (G.711 Codec)

VoIP

- Protocol: SIP v2.0 (UDP/TCP), RFC3261, SDP, RTP(RFC2833), RFC3262, 3263, 3264, 3265, 3515, 2976, 3311
- RTP/RTCP, RFC2198, 1889
- SIP TLS/SRTP
- RFC4028 Session Timer
- 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

Maintenance

- SNMP v1/v2/v3
- Humidity:10%-90% Non-Condensing
- TR069
- Auto Provisioning(tftp,http,https)
- HTTP/HTTPS Web/Telnet
- Configuration Backup/Restore
- Firmware Upgrade via Web
- CDR
- Syslog
- Ping/Tracert Test
- Network Capture
- Outward Test(GR909)
- NTP/Daylight Saving Time
- IVR local Maintenance

Supplementary Service

- SNMP v1/v2/v3
- 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

Software Features

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

Environmental

- Power Supply: 100-240VAC, 50-60 Hz@DC12V 1A
- Power Consumption:18W(Typical)
- Operating Temperature:0 C° ~ 45 C°
- Storage Temperature: -20 C° ~ 80 C°

Ordering information:

Vendor code	Description
SNR-VG-1000-8S	SNR-VG-1000-8S - VoIP Gateway, 8 FXS ports; 4 ports 10 / 100M RJ45, Router / Bridge, NAT, DHCP



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