

SI 2620 VoIP Gateway

High-performance, Compact Design



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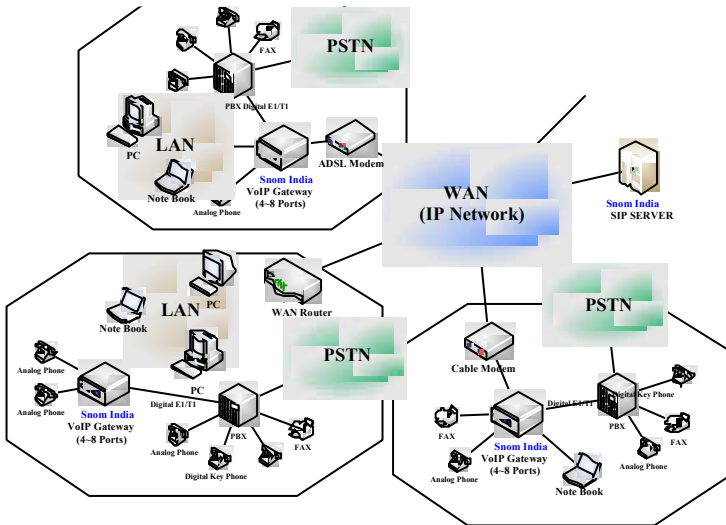
Snom India SI2620 VoIP Gateway provides high-performance voice over IP (VoIP) solution including IP-routing services for small enterprise, government and other public offices as well as Internet game room and Internet based cyber apartment. Moreover, Snom India SI2620 VoIP Gateway maintains best voice quality under low speed network using the latest voice compression algorithm and enhanced QoS management features of Snom India Technologies.

In addition, SI2620 VoIP Gateway can be used in various network environments such as leased line, ADSL, and Cable Modem networking with fixed IP and dynamic IP environments. And Snom India SI2620 supports various network protocols such as IP-routing, bridging, PPP, NAT/PAT, and network management features such as SNMP MIB v2, web, etc. This VoIP gateway typically was designed using high-performance 32bit RISC microprocessor architecture with fixed network interface configuration: 2-Port 10/100Mbps Fast Ethernet, two (2) module slots for voice Interface, asynchronous serial port for console.

Product Highlights

- “Powerful 32bit RISC Microprocessor Architectures
- “Two (2) 10/100Mbps Fast Ethernet for LAN with Two (2) Voices Interface Modules
- “FXS, FXO, and E&M Voice Modules for Octal (8) Voice Channels
- “Standard High-performance VoIP Gateway for Voice Networking Applications
- “G.723.1, G.729A, G.711 Voice Compressions
- “Enhanced Voice Quality with G.711PLC “ITU-T H.323 v3 VoIP Protocol with ITU-T H.235 Security Feature
- “SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- “Supports Triple stack of H.323, SIP and MGCP
- “Support Voice Processing Features
 - VAD, DTMF, CNG, G.168, and T.38 G3 Fax Relay
- “Snom India SIOS Internetworking Software to Provide Scalability, Functionality, Stability, and QoS Control for Snom India VoIP Gateway
- “High-performance IP-Routing Capability with Reliability
- “Static, RIP v1/2, OSPF v2 and IEEE 802.1Q VLAN Routing Protocols
- “Traffic Queuing, and SNMP MIB v2 for Network Management Features
- “Standard & Extended Access List for Security Functions
- “Essential Scalability Features such as DHCP Server & Relay, NAT/PAT, IEEE Transparent Bridging, IP Accounting, and debugging/Diagnostics etc.
- “Remote Software Upgrade using FTP & TFTP
- “Standard 19” Rack Mountable Chassis

Network Diagram Using SI2620 VoIP Gateway



Voice over IP Service

- “ITU-T H.323 v3 VoIP Protocol with ITU-T H.235 Security Feature
- “SIP protocol support compliant with IETF RFC3261 (or RFC2543)
- “H.323 and SIP dual stack support
- “G.723.1, G.729.A, G.711, G711 Voice Compressions
- “Voice Processing Features Supports
 - VAD, DTMF, CNG, G.168 and T.38 G3 FAX Relay
- “ITU-T H.323 Gateway, Gatekeeper Support
- “Enhanced QoS Management Features for Voice Traffics

Network Managements

- “Traffic Queuing and Frame-Relay Flow Control
- “Standard SNMP Agent (MIB v2) Support
- “Remote Management using Console, Rlogin, Telnet
- “Web based Managements using HTTP Server

Security Functions

- “Standard & Extended IP Access List
- “Access Control and Data Protections
- “Enable/Disable for Specific Protocols
- “Multi-Level User Account Management
- “Auto-disconnect for Telnet/Console Sessions
- “PPP User Authentication Supports
 - Password Authentication Protocol (PSI)
 - Challenge Handshake Authentication Protocol (CHSI)

Operation & Managements

- “System Performance Analysis for Process, CPU, Connection I/F
 - “Configuration Backup & Restore for SIOS Managements
 - “Debugging, System Auditing, and Diagnostics Support
 - “System Booting and Auto-rebooting with Watchdog Feature
 - “System Managements with Data Logging
 - “IP Traffic Statistics with Accounting
- ### Other Scalability Features
- “DHCP Server & Relay Functions
 - “Network Address Translation (NAT) Function
 - “Port Address Translation (PAT) Function
 - “Transparent Bridging (IEEE Standard) Function
 - Spanning Tree Bridging Protocol Support
 - Remote Bridging Support
 - Concurrent Routing and Bridging Support
 - “Load Balancing Support
 - “Network time Protocol (NTP) Support
 - “Remote Upgrade for SIOS Management using FTP/TFTP

Hardware Specification

Microprocessor

“CPU High-End PowerPC Microprocessor

Memory

“Flash Memory 4Mbyte
 “Main Memory 32M bps High-Speed SDRAM
 “Boot Memory 512Kbyte Flash Memory

Network Interface

“Fixed LAN0 Port One (1) 10/100Mbps Ethernet
 “Fixed LAN1 Port One (1) 10/100Mbps Ethernet
 “Voice Interface Slot TWO (2) Voice Interface Slots
 “Console Port One (1) RS-232C Interface

Voice Interface Modules

“FXS Voice Module 4-Port FXS Voice Interface Module
 “FXO Voice Module 4-Port FXO Voice Interface Module
 “E&M Voice Module 4-Port E&M (Type I to V) Voice Interface Module

Power & Operation Environments

“Power Requirement VAC 110~220V, 50/60Hz, 15Watt
 “Operating Temperature 0°C to + 50°C (32° to 122°F)
 “Storage Temperature -40°C to + 85°C (-40° to +185°F)
 “Relative Humidity 5% to 95% (Non-condensing)

Dimensions

“H W D (mm) 44mm 444mm 220mm
 (19" Rack Mountable Chassis)
 “Weight (Kg) 2.7Kg

Contact Information

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Support Protocols & Services

IP Routing Protocols

- “Static and default Routing
- “IEEE 802.1Q VLAN Routing

WAN Protocols

- “Point-to-Point over Ethernet Protocol (PPPoE) for ADSL
- “Dynamic Host Configuration Protocol Networking (DHCP)