

» ADSL VoIP Router SLI-5300 / SLI-5300-I «



Surf the internet, do emails and run multimedia at DSL Speed. On several computers all at the same time - save through the built-in firewall.



4 Ethernet ports for comfortable home networking.



USB slave port to connect an additional computer to the home network.



Modern WLAN standard guarantees secure wireless internet and networking access.



Cost-effective voice calls over the Internet (VoIP) or fixed network at high voice quality. Re-use existing analog phones. Emergency calls through backup line.

The SIEMENS SLI 5300 VoIP Gateway integrates a ADSL 2+ modem, router, firewall, Wireless B/G Access Point, 4 Port Ethernet Switch, USB Port and VoIP SIP phone in one device. Users need only an existing analog or DECT telephone or a FAX machine for small office environment connected to the SLI 5300 to enjoy the benefits of a low cost long-distance VoIP call. Having an integrated ADSL modem/router with VoIP functionality simplifies the installation and provides simultaneous VoIP and Data access. Data access is provided via Wireless Lan high speed 802.11b/g or wired option via 4 port Ethernet or USB.

Security is supported via a double Stateful Packet Inspection, NAT based firewall and Hardware accelerated AES/WEP/WPA/WPA2 based encryption/MAC Address Filtering for Wireless links. VPN Passthrough and DMZ support provides additional security support for telecommuters as well as allow flexibility while maintaining security against malicious hackers.

With Universal Plug and Play (UPnP) support and virtual server functionality, home networking becomes a breeze for everyone in the family. Multi Port Range/Popular Application Forwarding makes it even easier to select which application you want your network to allow while ensuring your security at the same time.

Broadband

www.siemens.ch/broadband

SIEMENS

Detailed features:

SOFTWARE

- ADSL Compliance

ANSI T1.413 Issue 2
ITU G.992.1 Annex A (G.dmt)
ITU G.992.1 Annex B (G.dmt) with UR2 compliant
ITU G.992.2 Annex A (G.lite)
ITU G.994.1 (G.hs)
Support dying gasp
Maximum Rate: 8 Mbps for downstream and 1 Mbps for upstream

- ADSL2 Compliance

ITU G.992.3 Annex A and Annex B (G.dmt.bis)
Support dying gasp
Maximum Rate: 12 Mbps for downstream and 1 Mbps for upstream

- ADSL2+ Compliance

ITU G.992.5 Annex A and Annex B
Support dying gasp
Maximum Rate: 24 Mbps for downstream and 1.2 Mbps for upstream

- Wireless LAN Compliance

IEEE 802.11g and IEEE 802.11b
Data Rate: 54, 48, 36, 24, 18, 12, 9, 6 Mbps for 802.11g;
11, 5.5, 2, 1 Mbps for 802.11b
Modulation Technique: OFDM for 802.11g; CCK (11 Mbps, 5.5 Mbps) for 802.11b; DQPSK (2Mbps) for 802.11b; DBPSK (1 Mbps) for 802.11b
Operating Frequency: 2.4 ~ 2.5 GHz
Operating Channels: depending on local regulations.
For example, 11Channels (Northern America), 13 Channels (Europe), and 14 Channels (Japan)
Support the selection of best quality channel automatically

RF Transmitter

Output Power (EIP):

13.5 dBm (22mW) for 802.11g,
17.5 dBm (56mW) for 802.11b

TX Spectrum Mask: comply with IEEE802.11 b/g standard

RF Receiver

Sensitivity: comply with IEEE802.11 b/g standard
External Antenna: Dipole and Omni radiation antenna
Coverage Area: 300 meters (LOS)

Support security standards

WEP RC4 with 64-bit or 128-bit key length

WPA/WPA-PSK or MIXED Mode

WPA2/WPA2-PSK or MIXED Mode

802.1x

Support the Access Control function: only registered

WLAN clients are allowed to associate to this device.

SSID can be hidden for the security issue

Two SSIDs are supported. The two wireless networks can be configured in different wireless security level.

Support the Repeater function to extend the coverage area

Support wireless user isolation for the hotspot

- Voice over IP Features

Call Feature: basic outgoing and incoming call, Call Waiting,

Three Party Conference, Call Transfer, Caller ID

Call Control: support SIP (RFC3261)

Voice Transport: compliance to RTP (RFC1889)

Voice Codec: G.711 (a-law and u-law), G.726, and G.729A

Tone/Ring Signal: compliance to North America, UK, France, Netherlands, Germany, Switzerland, etc.

Tone Generation: support dial tone, ring back tone, busy tone, ring tone, and various tones on demand

Tone Detection: support DTMF

Support FAX/Analog Modem function

Echo Cancellation: compliance to G.168

Support RFC2833 RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals

Support RFC3842 Voice Message Waiting Indication

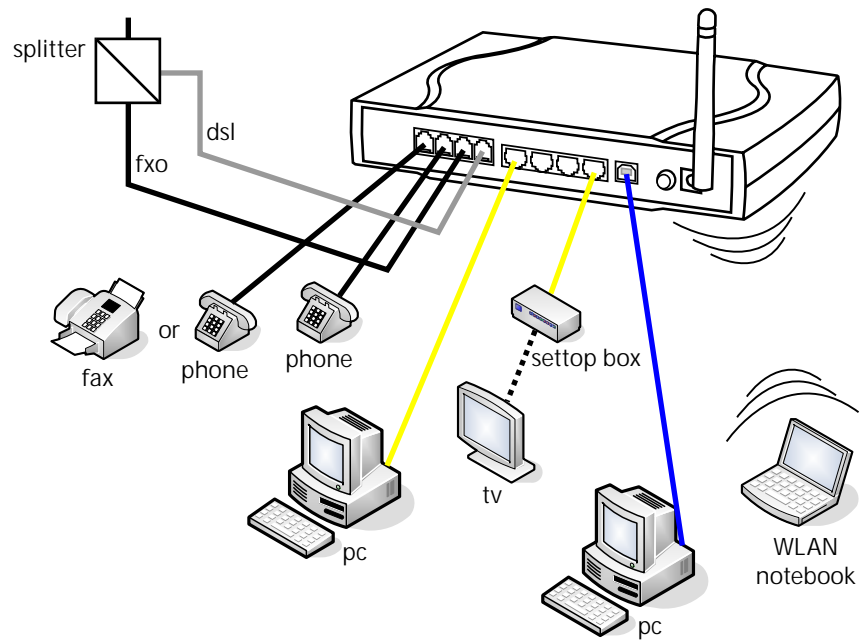
Two VOIP (FXS) ports for VOIP phone calls

Both VOIP ports supporting intelligent lifeline backup

Manual selection of PSTN mode or VOIP mode while making a phone call

Automatic selection of PSTN phone call on dialing the emergency calls

Traffic flow control to guarantee voice quality



- ATM Features

Compliant to ATM Forum UNI 3.1 / 4.0 Permanent Virtual Circuits (PVCs)

Support up to 16 PVCs for UBR, CBR, VBR-nrt, VBR-rt with traffic shaping

RFC2684 LLC Encapsulation and VC Multiplexing over AAL5

RFC2364 Point-to-Point Protocol (PPP) over AAL5

RFC2225 Classical IP and ARP over ATM

RFC2516 PPP over Ethernet: support Relay (Transparent Forwarding) and Client functions

Support PPPoE, PPPoA, MER and Bridged mode

OAM F4/F5 End-to-End/Segment Loopback Cells

- Bridging Features

Supports self-learning bridge specified in IEEE 802.1d

Transparent Bridging

Supports up to 4096 learning MAC addresses

Transparent Bridging among 10/100 Mb Ethernet, USB and 802.11g wireless LAN

Supports IGMP Snooping

Supports 802.1Q VLAN packet pass-through

- Routing Features

NAT (Network Address Translation) / PAT (Port Address Translation) let multiple users on the LAN to access the Internet for the cost of only one IP address.

ALGs (Application Level Gateways): such as NetMeeting, MSN Messenger, FTP, Quick Time, mIRC, Real Player, CuSeeMe, VPN pass-through with multiple sessions, RTSP, SIP, etc.

Port Forwarding: the users can setup multiple virtual servers (e.g., Web, FTP, Mail servers) on user's local network.

Support DMZ

UPnP IGD (Internet Gateway Device)

UPnP extension for NAT traversal capability

Static routes, RFC1058 RIPv1, and RFC1723 RIPv2

DNS Relay

Dynamic DNS

DHCP Client/Relay/Server

Time protocol can be used to get current time from network time server.

Support IGMP Proxy

Support IP/Bridge QoS for prioritize the transmission of different traffic classes

Support port mapping function which allows you to assign all data traffic transmitted among specific Internet connections and LAN ports

Support 802.1Q VLAN Tagging

- Security Features

PAP (RFC1334), CHAP (RFC1994), and MS-CHAP/MS-CHAP2 for PPP session

Firewall support IP packets filtering based on IP address/Port number/Protocol type

Support DoS (Deny of Services) which detect & protect a number of attacks (such as SYN/FIN/RST Flood, Smurf, WinNuke, Echo Scan, Xmas Tree Scan, etc)

- Configuration and Management

User-friendly embedded web configuration interface with password protection in English or German

Remote management access control

Telnet session for local or remote management

Firmware upgrades through HTTP, TFTP, or FTP

Configuration file backup and restore

Support TR-069 and TR-104

HARDWARE

- Interface

One RJ-11 port for ADSL connection

One RJ-11 port (FXO port) for connecting to PSTN line

Two RJ-11 ports (FXS ports) for VOIP phone calls

Four RJ-45 ports for IEEE 802.3/802.3u 10/100 Base-T

auto-sensing and auto-crossover Ethernet connection

One USB client port compliant to USB 1.1

IEEE 802.11b/g wireless LAN

One WLAN On/Off button to enable or disable wireless signal

One hidden button for restoration of factory default settings

- Regulatory Approvals and Compliance

EMC: FCC part 15 Class B, CE

Telecom: FCC part 68

Safety: UL, CB, LVD

- Power Requirement and Operation Environment Requirement

Power Adaptor: Input 120±10 or 230±10 VAC; Output

12VAC, 1.5A

Power Consumption: less than 15 Watt

Ambient Temperature: 0 to 40°C (32 to 96°F)

Relative Humidity: 20% to 90% (non-condensing)

- Physical

Front Panel: 12 leds

Dimensions

Housing: 220 mm (L) x 155 mm (W) x 40 mm (H)

Weight: 500 g

Ordering Number

Siemens ADSL SLI-5300 (Annex A): S1622-Z11-A

Siemens ADSL SLI-5300-I (Annex B): S1622-Z10-A

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Broadband

Albisriederstr. 245, CH-8047 Zürich

Fax: +41 585 543 719

eMail: broadband.sales.ch@siemens.com

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