

# SIEMENS GIGASET SX762

The all-in-one small office - home office IP phone system.



Introducing the Siemens SX762 all-in-one integrated phone and network system. This small but powerful box forms the heart of a small or home office communication system. This single low cost device provides Internet access, telephone IP-PBX system for up to six phones, four port network switch, file and print server capabilities and wireless networking.

The SX762 is a complete communication solution that brings voice, broadband and data communications together in a single device.

### Quality-of-Service

The SX762 includes an automatic QoS system to ensure high quality phone calls over the Internet no matter what is using the Internet connection.

The SX762 features an excellent range of call handling PBX features, more commonly found in larger telephone systems, plus integrated ADSL 2/2+ router, firewall, wireless LAN and two analogue telephone ports with phoneline failover.



### Highlights

- Up to six local extensions: 2x FXS ports plus 4x true VoIP phones
- Multiple outgoing VoIP accounts
- Dial plan feature for outbound call routing; e.g. least cost routing
- Automatic Quality of Service maintains call quality during high bandwidth requirements
- Call pickup; intercept calls to ringing phones
- 2x FXS ports for connecting analogue phones or faxes
- 1x FXO port for connecting an analogue phone line
- Auto-failover of FXS ports to FXO port
  - during power failure
  - during Internet connection failure
- Integrated file server and print server via USB2.0 port
- ADSL 2/2+ modem and router
- 4 port switch
- 802.11g wireless access point
- Easy installation: setup wizards or ProTalk pre-configuration services
- Configuration and management using TR-069



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## Technical Specifications

### Routing

- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2516 PPP over Ethernet support relay (transparent forwarding) and client functions
- RFC2684 LLC Encapsulation and VC multiplexing over AAL5
- RFC2225 classical IP and ARP over ATM
- PPPoE, dynamic/static IP, via Bridge Modus
- Network Address Translation (NAT)
- DHCP server/client/relay and DNS relay agent
- TCP/IP with RIP1 and RIP2 or static routing on the LAN and/or WAN
- RFC2236 Multicast IGMP Proxy and IGMP Snooping
- ATM Forum UNI 3.1/4.0 Permanent Virtual Circuits (PVCs) with up to 8 PVCs
- UBR with traffic shaping
- UPNP, UDP, Telnet, HTTP

### Standards Compliance

- Wireless LAN: IEEE 802.11g (compatible to IEEE 802.11b)
- Ethernet: IEEE 802.3 (10Base-T)
- Fast Ethernet IEEE 802.3u (100Base-TX)
- ITU G.992.5 Annex A (ADSL2+), ITU G.992.3 Annex A (ADSL2), ITU G.992.3 Annex L (reach extended mode ADSL2), ITU G.992.5 annex L (reach extended mode ADSL2+), ITU G.992.1 Annex A (G.dmt)
- Wi-Fi, WPA2 Personal, WMM

### ATM Functions

- ATM Forum UNI 3.1/4.0 Permanent Virtual Circuits (PVCs) with up to 8 PVCs
- UBR with traffic shaping
- RFC2684 LLC Encapsulation and VC multiplexing
- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2225 classical IP and ARP over ATM
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### Protocols

- TCP/IP, UDP, DHCP Server, HTTP, DNS relay, RIPv1/v2, Telnet, UPnP, IGMP

### Quality of Service

- Traffic shaping
- Extensive packet classification
- ToS, PLC, VAD
- Upstream and downstream QoS

### Security and Firewall Functions

- WPA2, WPA, 64/128 Bit WEP encryption, SSID, IEEE 802.1x, MAC-Filter, NAT, Stateful Packet Inspection, DoS Blocking, Intrusion Detection, Remote Management Control

### Virtual Private Network Pass-Through

- PPTP, L2TP, IPSec

### Internet Access

- PPPoE, dynamic/static IP, via Bridge Modus

### Codecs

- G.711a-law / G.726 / G.729a / G.722 / G.723.1 / GSM / iLBC
- T.38 for fax/modem transitions
- Wideband Audio (G.722) for HDSP-ready phones

### WLAN Range

- Up to 300m outside buildings
- Up to 30m in buildings

### WLAN Data Rate

- Up to 54 Mbps

### RF Specification

- Frequency band 2,400 – 2,4835 MHz (ISM), DSSS spreading
- CCK, OFDM Modulation
- Radiated power max. 100 mW
- 1 external adjustable antenna

### WAN Interface

- RJ-11 (ADSL), connecting cable included in delivery
- One LAN Port can be used as WAN port

### LAN Interface

- Integrated 4-port switch (one LAN port can be used as WAN port)
- 10Base-T/100Base-TX auto sensing, MDI/MDIX auto detection, RJ-45

### Ports for Analog Fixed Line (FXO)

- 1 x RJ-11 (TBR21), connecting cable included in delivery

### Ports for Internal Analog Devices (FXS)

- 2 x RJ-11

### Ports USB Devices

- 1 x USB 2.0 Host
- Support of FAT32 storage devices up to 5 partitions

### Buttons at Gateway

- On/off switch

- Scan button for WLAN registration (WPS)
- Reset button (restore to factory defaults)

### Local Private Branch Exchange (PBX) Functionality

- Internal Calls
- Call Pick Up
- 3-Party Conference
- Call Forwarding
- Call Transfer
- Do Not Disturb
- Call Waiting
- CLIP/CLIR

### Auto Software update

- Software update via Gigaset.net Server
- Automated pop up Message for new firmware.

### WLAN Functions

- WiFi-Protected-Setup (WPS, WiFi Alliance)
- Switch on/off the WiFi interface via analog phones
- WiFi Repeater Mode (WDS)
- Multi SSID supports ( up to 3, or 2 with WPS)

### USB Functions

- File-/web-/print- server

### More Functions

- DMZ (Demilitarized Zone)
- Exposed host (Port forwarding)
- Virtual Server
- DynDNS
- Time protocol
- Save and Restore of user settings
- Restore function to factory defaults

### Operating Systems

- Independent

### Installation and Configuration

- With JavaScript-capable Internet-Browser (e.g. Microsoft Internet Explorer V6.00, Mozilla Firefox V1.0)
- Easy installation with "Installation wizards"
- Advanced security settings with "Security Setup"
- Advanced installation and configuration with "Expert Setup"
- User interface and online help in multiple languages
- Secure Internet Remote Access to gateway web Graphical User Interface

### Status LEDs

- Power
- ADSL
- Line (PSTN)
- Online
- USB
- LAN1 – LAN4 (Ethernet connections)
- WLAN (WLAN connection to other clients)
- VoIP
- Phone 1
- Phone 2

### Chip Set

- Infineon Danube

### Power Supply

- External power supply, Input 230 V AC, Output 12V/1.5A DC)

### Dimension and Weight

- L 260 mm x W 160 mm x H 50 mm
- Ca. 400-500 g

### Temperature Range (ambient)

- Operating: 0 to 40°C
- Storage: -25 to + 70°C

### Humidity

- 5% - 90% (non condensed)

### Setup

- Desktop or wall mountable

### Approvals

- CE-approval according to R&TTE-standard

### ECO Features

- Energy-saving power supply unit
- Variable reduction of WLAN power

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