

# SA840C/ SA880C FXS/FXO VoIP Router

4/8 port  
VoIP Router

## Connect Port

- 4/8 x RJ-11 FXS or FXO ports
- 2 x RJ-45 10/100Mbps WAN Ethernet Ports
- 2 x RJ-45 10/100Mbps LAN Ethernet Ports

## Voice Processing

- Audio CODEC:
  - G.711 A-law / u-law, (64kbps)
  - G.723.1, (5.3 or 6.3kbps)
  - G.726, (ADPCM 40, 32, 24, 16 kbps)
  - G.729a/G.729b, (8kbps)
- Support T38FAXRelay(96k,144k)
- Carrier tone detection and generation
- Silence suppression and comfort noise
- DTMF In/Out band Relay
- DTMF/ Call progress detection and generation
- Q.931 Fast Start
- Support Caller ID generation and detection
- Support VAD, H.225, H.245, CNG, G.168, Jitter buffer and programmable gain control

## Voice Signaling

- Support SIP & H.323 simultaneous VoIP calls
- Support SIP v2 Standard (RFC3261)
- NAT Traversal
  - Outbound Proxy
  - STUN Server
- Register up to 4 Server simultaneously
- Support multiple dialing plan / Call hunting group
- Adaptive Jitter Buffer Function
- Support multiple dialing plan / Call hunting group
- Extensible by external IVR/CDR/Billing server for value-added application
- Support current drop and polarity reversal detection and generation on analog trunk interface
- Selectable group or sequence ring the PBX when VoIP call in
- IP screening table for authorized VoIP call in
- Flexible Routing table and profile

## Management

- Web Interface Management
- Support Auto Provision Server
- Remotely configuration/Upgrade by Web UI or Auto Provision Server.
- Exportable CDR to CDR server
- 1 Reset button for load default ID/Password.
- WAN IP configure can be programmed by phone with IVR prompt
- Build-in watching dog for auto recovery

## Router Functions

- Support static & dynamic IP from DHCP, PPPoE
- Build-in DHCP Server and Client
- Support Network access rules (LAN to WAN & WAN to LAN)
- Self-Protection against DoS Attacks
- Support NAT through function
- Supported Protocol: UDP, TCP, NAT, BOOTP, TFTP, FTP, HTTP, TELNET, IEEE 802.3/ IEEE 802.3u
- Support SNMP, SNTP, HTTP, FTP, NAT, DNS, uPnP, DDNS
- NAT function: Virtual Server, Port mapping, ALG, DMZ, Static routing table
- Firewall option: Client filtering, URL filtering, MAC control, Drop Port scans
- Support QoS (ToS& DSCP) and bandwidth control, reserve bandwidth for VoIP call when data traffic busy.

## Hardware Specification

LED Indicators: READY, STATUS, POWER, PHONE, LINE, LAN and WAN.

Power: AC100V-240V, DC 12V/2A (Max)

Temperature: 0° C to 45° C (Operation), -20° C to 75° C (Storage)

Humidity: up to 90% non-condensing

Dimension: 240 x 163 x 53 mm (W/D/H)

Weight: 617g

## Emissions

- CE Mark

## Warranty

- One Year Limited Warranty

## SA840C/SA880C 4/8 channel VoIP/PSTN smart call router series:

- IP/PSTN Dual Access –Incoming and outgoing calls from both IP and PSTN networks use same POTS phone set.
- Dual FXO/FXS interface for connect between PBX and PSTN
- Smart routing select between VoIP and PSTN by prefix number
- Automatic reroute the call via PSTN when VoIP failure with warning sound
- Maintain the call by bypass relay when power failure
- Direct analog bypass route when call between Line and Phone
- Support call waiting notice

## 4/8 port Dual FXO/FXS Interface!

SA840C/SA880C have 4/8 port Dual PSTN/FXS interface to connect between PBX and PSTN!

## Life line support! (FXS+PSTN Mode)

Automatic reroute the call via PSTN when VoIP failure with warning sound or power off bypass.

## H.323 & SIP simultaneously support!

Deploy into any multimedia, interactive, or softswitch network with the leading call and session signaling protocol

## Register up to 4 SIP or H.323

## Platforms mixable simultaneously!

Flexible registration for different VoIP Route plan

## Firewall, NAT, DHCP, PPPoE

Connect to any broadband or access provider, serve the whole network, and secure your data. User configurable IP services ensure every host is connected to the LAN.

## Auto-Provision-Server Support!

Easy to remote configure/Upgrade via Auto Provision Server.

## WAN/LAN IP Setting by Phone

Easy IP configuration by Phone

## QoS guaranteed Voice package

Quality of Service ensure voice traffic gets high priority without shutting down your Ethernet LAN

## Bandwidth control

users can manage the limitation of network bandwidth and prioritize VoIP packet to pass through, also voice quality and communication stability are totally enhanced.



## Model Information

☐ SA840C: 4FXS+4PSTN/4FXS/4FXO, 2WAN, 2LAN

☐ SA880C: 8FXS+8PSTN/8FXS/8FXO, 2WAN, 2LAN