

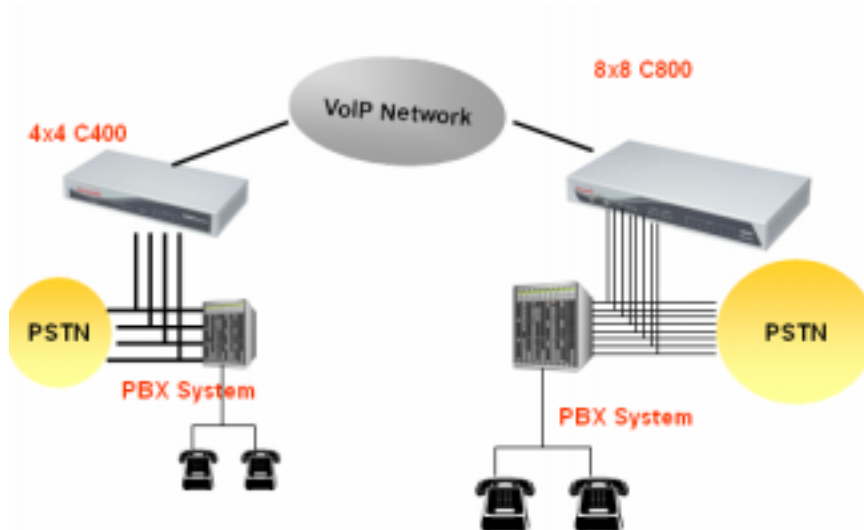
SOUNDWIN 4x4 / 8x8 Smart Call Manager



Soundwin C400/C800 support 4/8 VoIP trunks by 4/8 lines for enterprise which already has PBX system connected with four/eight existing telephone company lines. Soundwin C400/C800 allows a enterprise to add VoIP lines to their existing PBX phone system to take advantage of the cost savings of VoIP while maintaining access to the Public Switched Telephone Network (PSTN) to ensure acceptable levels of quality and reliability, and to avoid additional cost of trunk card of PBX.

Smart Call Manager Feature

- Analog or VoIP Gateway trunks by 4/8 lines
- Calls routed over PSTN if network fail or VoIP service fail.
- Inbound and outbound routing tables by Dial Plan configuration
- Local and long distance call routing by Dial Plan configuration



VoIP Key Features

- Both support SIP and H.323 protocols: SIP Registration and Digest Authentication and H.323 Gatekeeper Registration.
- Single Number / Account for multiple ports.
- NAT traversal: This feature allow gateway to operate behind any NAT/Firewall device. There is

- no need to change any configuration of NAT/Firewall like setting virtual server.
- ☒ Smart-QoS: This feature provides good voice quality when user place a VoIP call and access internet at the same time. The gateway will automatically start to reserve bandwidth for voice traffic when VoIP call proceeds.
- ☒ Call Hunting Facility: This function helps gateway to use the lines effectively. This facility automatically transfers your incoming call to a free line. Subscribers need not indicate numerous numbers of each port of gateway.
- ☒ Voice channels status display: This function display each port status like as onhook, offhook, calling number callee's number, talk duration, codec.
- ☒ VoIP Encryption: Encrypt peer to peer VOIP calls can avoid VoIP blocking of internet.

🔴 **Telephony Specification:**

- ☒ Voice Codec: G.711(A-law / μ -law), G.729 AB, G.723 (6.3 Kbps / 5.3Kbps)
- ☒ FAX support : T.30 / T.38
- ☒ Failsafe Mechanism (FXS relay to PSTN) : Power failed bypass support / Internet Failed Bypass / Registered Failed Bypass / Unconditional Bypass.

🔴 **IP Specifications:**

- ☒ H.323 v2/v3/v4 and SIP (RFC 3261) , SDP (RFC 2327), Symmetric RTP, STUN (RFC3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833), Outbound Proxy Support.
- ☒ LAN :Support Virtual Server, DHCP Server
- ☒ WAN: Support PPPoE client, DHCP client, Fix IP Address, DDNS client
- ☒ Network Address Translation: Providing build-in NAT router function.
- ☒ Smart QoS: Guarantee the voice bandwidth
- ☒ IP TOS (IP Precedence) / DiffServ

🔴 **Call Features**

- ☒ Voice channels status display
- ☒ Direct Dialing Mode : peer to peer call (support IP Address Call or Domain Name Call)
- ☒ Register Call Mode : register to SIP Proxy Server or H.323 Gatekeeper
- ☒ Adjustable volume : - 9 db ~ 9 db
- ☒ Silence Compression
- ☒ Auto Dial for speed
- ☒ Dynamic Jitter Buffer
- ☒ Hot-Line and Warm-Line Support

🔴 **Configuration & Management**

- ☒ Web-based Graphical User Interface
- ☒ Remote management over the IP Network
- ☒ FTP firmware upgrade
- ☒ Backup and Restore Configuration file
- ☒ Syslog support

🔴 **General Specification**

- ☒ AC power : AC100V-240V, DC12V/1.5A,50/60 Hz
- ☒ Temperature: 0°C ~ 40°C (Operation)
- ☒ Humidity: up to 90% non-condensing
- ☒ Emission: FCC Part 15 Class B, CE Mark
- ☒ Dimension : 260 x 130 x 35 mm

Weight: 900g (Aluminum)

C400/C800 VoIP Gateway Catalogue

	C400	C800
<i>Ethernet Port</i>	1 WAN + 4LAN	1 WAN + 1LAN
<i>Telephony Interface</i>	Quad RJ-11	Octal RJ-11
<i>FXS</i>	4FXS	8FXS
<i>H.323 v2/v3/v4</i>	✓	✓
<i>SIP(RFC3261)</i>	✓	✓
<i>Smart-Qos</i>	✓	✓
<i>NAT Traversal</i>	✓	✓
<i>Echo Cancellation</i>	✓	✓
<i>G.711 a / μ-law</i> <i>G.723, G729AB</i>	✓	✓
<i>T.38/T.30</i>	✓	✓
<i>NAT Router</i>	✓	✓
<i>DHCP server for Private Network</i>	✓	✓

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