



## CCL 16/32 FXS Analog Gateway

### Overview

CCL 16/32 FXS Gateway is a multifunctional analog gateway for seamless connection between IPPBX, fax machines, analog phones and operators. It provides three interfaces of RJ11/RJ45/RJ21, covering almost all the wiring needs of users in all scenarios. In addition, it has excellent full concurrent voice/fax pro-processing capabilities, strong performance and high stability, and provides high-quality call services for operators, enterprises, call centers and residential users in residential communities.

The Gateways are developed for interconnecting a wide selection of codecs including G.711A, G.711U, G.729A, G.722, G.726, iLBC. The gateways use standard SIP protocol and compatible with Leading VoIP platform, IPPBX and SIP servers, such as Asterisk, Issabel, 3CX, FreeS-WITCH, BroadSoft and VOS VoIP operating platform.

### Performance and Features

- 16/32 FXS ports
- Stable function, flexible dialplan and friendly Web GUI
- Strong security and high stability
- Designed for almost all kinds of users
- Fully Compatible with Leading SIP based VoIP Telephony System
- Support voice, fax and POS terminal access

### System Features

- NTP time synchronization and client time synchronization
- Support modify username and password for web login
- Update firmware online, backup/restore configuration file
- Abundant Log Info, Automatically Reboot, Call status display
- Language selection
- Open API interface, support the secondary development of applications
- Support SSH remote operation and restore the factory settings

### Telephony Features

- Support Volume adjustment, Gain adjustment, call transfer, call hold, call waiting, call forward, Caller ID display
- Three way calling, Call transfer, Dial-up matching table
- Support T.38 fax relay and T.30 fax transparent, FSK and DTMF signaling
- Support Ring cadence and frequency setting, WMI (Message Waiting Indicator)
- Support Echo cancellation, Jitter buffer
- Support customizable DISA and other applications

### SIP Features

- Support add, modify & delete SIP Accounts, batch add, modify & delete SIP Accounts
- Support multiple SIP registrations : Anonymous, Endpoint registers with this gateway, This gateway registers with the endpoint
- SIP accounts can be registered to multiple servers

### Network

- Network type: Static IP, Dynamic
- Support DDNS, DNS, DHCP, DTMF relay, NAT
- Telnet, HTTP, HTTPS, SSH
- VPN clients : PPTP/OpenVPN/Zerotier/L2TP/N2N (Not available for Russia)
- Network Toolbox



CCL 16/32 FXS Gateway		
Product Name	CCL 16 FXS	CCL 32 FXS
<b>Interfaces</b>		
Ports	16 FXS ports	32 FXS ports
Port type	RJ11/RJ45/RJ21	
USB	RJ45	
Ethernet port	2 * 10/100Mbps ports	
<b>General Info</b>		
Dimension (bare)	440mm*45mm*220mm	
Dimension( with packaging)	510mm*90mm*310mm	
Weight( with packaging)	2.86kg	3.1kg
Max Power Consumption	20W	36W
Power Supply	90-264VAC	
Operation Temperature	0°C ~ 45°C	
Operation Humidity Range	10% ~ 90% NON-CONDENSING	
Storage Temperature Range	-20°C ~ 70°C	