

## LNG648&664&696 Voice Gateway

### Overview

LNG648&664&696 is designed for voice and fax services in IMS/soft-switch network of Telecom Carrier or VoIP service provider's network. It follows SIP / MGCP / H.248 protocol.

LNG648&664&696 offers 96 / 64 / 48 analog FXS ports to meet different needs of users. With the priority of forwarding voice packages, it can provide excellent QoS.



### Features

- **Communication Protocol**

Fully comply SIP / MGCP / H.248 protocol.

- **QoS guarantee**

The port-based priority control makes voice packages transmitted first to provide excellent QoS.

- **High Quality Voice**

Supports multiple voice quality techniques, such as dynamic voice jitter buffer, VAD, CNG, echo cancellation and packet loss compensation, to provide high-quality voice which is as good as traditional telephone.

- **Codecs**

Supports G.711A, G.711U, G.723.1, G.729A/AB, etc

- **IP fax**

Supports T.38 and T.30

### Interfaces

4 Ethernet ports switch

96 / 64 / 48 FXS ports



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## Software Specifications

- **Protocol**  
SIP RFC3261  
SDP RFC2327  
RTP/RTCP  
MGCP  
H.248
- **SIP**  
SIP Trunk  
SIP Register
- **Codecs**  
G.711A / G.711U / G.723.1 / G.726 / G.729A / G.729AB
- **Voice Enhancement**  
G.165 / G.168 echo cancellation  
Dynamic Jitter Buffer  
VAD / CNG  
Packet Loss Compensation
- **DTMF**  
In-Band DTMF / RFC2833 / SIP INFO
- **FAX**  
T.38  
G.711 Fax Pass-through
- **Network**  
Static IP / DHCP Client  
DNS  
SNTP
- **QoS**  
802.1Q VLAN  
802.1p Priority  
IP ToS
- **NAT Traversal**  
Static NAT Configure  
SIP Keep Alive  
Register  
STUN
- **Configuration**  
WEB Browser  
Console / Telnet
- **Firmware Upgrade**  
FTP / HTTP

## Hardware Specifications

- **Network Interface**  
Four 10/100Mbps Auto-Sensing RJ45 ports supporting Auto MDI / MDIX
- **Analog Interface**  
96 / 64 / 48 FXS ports
- **Power**  
Input: 100~240V AC, 48~60Hz  
Consumption: < 50W
- **Environmental Conditions**  
Operational temperature: 0 ~ 40 °C  
Storage temperature: -10°C ~ 60°C  
Humidity: 10~95%, non-condensing
- **Dimensions and Weight**  
Size: 435(W) x 300 (D) x 45 (H) mm  
Net Weight:  
LNG6 - G48: 6Kg  
LNG6 - G64: 6.3Kg  
LNG6 - G96: 6.7Kg

## Ordering Information

Model	Description
LNG6 - G96	96 analog FXS ports
LNG6 - G64	64 analog FXS ports
LNG6 - G48	48 analog FXS ports

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