VoIP GSM Gateway (GOIP) Series—2G, 3G, 4G Gateway

Model number: NC-MG320W, NC-MG640W and NC-MG930W

NC-MG320W 16GSM/CDMA/WCDMA/4G LTE
NC-MG320W-32/128 32 ports with 128 SIM cards

NC-MG640W 32GSM/CDMA/WCDMA/4G LTE

NC-MG930W 96GSM/CDMA/WCDMA/4G LTE

Product Name:

What is a VoIP GSM Gateway?

VoIP GSM Gateway / GoIP (GSM over IP): It serves to establish direct connection between GSM network and VoIP.

Sim-card is put into GSM Gateway in order to register it with the GSM network, at the same time the gateway is connected with VoIP. Accordingly, the communication (traffic / calls / SMS) can be converted in and out between GSM and VoIP channels.

Overview：

NICEUC VoIP GSM Gateway is for operators, enterprises, SOHO, virtual operators to offer affordable VoIP solutions. It is a full-featured IP-based GSM wireless network of VoIP gateways, which can provide stable network configuration, powerful features, good voice quality. This GSM Gateway uses the industry's popular chip technology to support E1, GSM / CDMA / WCDMA / 4G LTE, SIP, IMS interface, supports maximum 4 ports E1 /

T1, 96 ports GSM / CDMA / WCDMA / 4G LTE, 128 SIP trunks. Our GSM gateway is not only full compatible with Asterisk and other leading soft switch, but also is a cost-effective gateway for call termination (VoIP to GSM) and origination (GSM to VoIP).

Product Features:

Multiple access way

· NGN/IMS/PSTN;

· GSM trunk;

· E1 port, support ISDN PRI, SS7, R2, V5.2, Q.SIG, DPNSS;

· IP trunk which is based on SIP and IMS;

System Functions

· Rotation of 8 SIM cards;

· Gain for the entire port;

· Selection of DTMF modes;

· Lock SIM card;

· Modification of PIN and IMEI;

· Anonymous calls;

· Sending / receiving SMS;

· Available for custom IVR recording;

· Black and white lists;

· Support one number-pass and open API;

· USSD;

· Support automatically selecting networks;

· Support Hot line and BCCH.

Management and maintenance methods

· Local and remote WEB management;

· Local and remote Telnet command line management;

· Console port - super terminal management;

Voice processing technology

· Voice Activity Detection (VAD);

· Comfort Noise Generation (CNG);

· Echo cancellation (Echo Cancellation);

· Dual-tone multi-frequency signals (DTMF) generation / detection;

· Caller ID (Caller ID) generation detection;

· Flexible input / output gain control;

Simple and convenient management/maintenance

• The way of management on software:

Local and remote WEB; Local and remote Telnet; Console port-Super terminal;

• On hardware, with rack design, they can be installed in the standard 19 inches rack, also can be separately installed in a small machinery room. (In a standard 19 inches rack, NC-MG320W is 1U height, NC-MG640W is 2U height, and NC-MG930W is 3.5U height.)

Physical Specification

Model No.	NC-MG320W-32/128	NC-MG320W	NC-MG640W	NC-MG930W
Band	850\900\1800\1900MHz			
4G Frequency Band	FDD LTE: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A TDD LTE: B38/B39/B40/B41 TDSCDMA: B34/B39 UMTS: B1/B2/B4/B5/B8 GSM: 850/900/1800/1900MHz			
Slot for PSU	N/A (Built-in)	N/A (Built-in)	N/A (Built-in)	1 to 2 (Hot-standby)
Slot for MCU	N/A (Built-in)	N/A (Built-in)	1	1 to 2 (Hot-standby)
Slot for Wireless Card with 8 ports	N/A	2	4	12
GSM/CDMA/WCDMA/4G LTE port	32	2 to 16	16 to 32	32 to 96
SIM card	128	2 to 16	16 to 32	32 to 96
VoIP Channel	32	32	32 to 128	32 to 128
E1 Trunk port [Optional]	N/A	N/A	0 to 4	0 to 4
FXS/FXO port [Optional]	N/A	0 to 32	0 to 64	0 to 192
SIP Subscribers [Optional]	30 to 200	30 to 200	30 to 500	30 to 500
Ethernet port	1 (10/100/1000M Base-T)		2 (10/100/1000M Base-T)	
Console port	1 (RS232 PORT)			
SIP compatibility	CISCO, Siemens, AVAYA, Huawei, ZTE			
Input Voltage	DC -48V or AC 110-240V	DC -48V or AC 110-240V	AC 110-240V	DC -48V or AC 110-240V (Redundancy)
Power	25W	25W	60W	100W
Dimension	480mm*330mm*44mm (1U)	480mm*330mm*44mm (1U)	480mm*20mm*88mm (2U)	480mm*300mm*160mm (3.5U)
Weight	4KG	4.5KG	8.5KG	10.5KG
Environment	0℃～50℃, Less 80%			

Application Topology: