

ICS GSM/CDMA Gateway

ICS TopGSM Series GSM Analog Gateway comes with 1/4/8 ports and provides a cost-effective alternative for fixed-to-mobile telephone calls. They are compatible with any PBX system or analog phones. You can use them as: money saving equipment, Internet back-up, communication device for boats and remote places without landline network connections, household devices. We offer 1, 4 and 8 GSM channel GSM gateways.

TopGSM Series GSM analog gateway is used for connecting with the FXO ports of an analog VoIP gateway. With the use of the TopGSM gateway, inbound VoIP calls destined for GSM handsets and calls originating from GSM handsets can be sent to or received from the GSM handsets by the VoIP gateway without having to route the calls through the local PSTN thus eliminating the cost of paying the local wireline telephone exchange for the unnecessary switching.

Up to 4 SIM Cards per GSM Channel

Each GSM Module board contains **4 SIM cards holders**. An intelligent SIM card can be automatically switched according to time, random intervals, or completed call times. However, one SIM card is only connected to one GSM module to make calls at one moment.

The **4 SIM cards** feature of the **TopGSM** gateways is important in markets where there are more than one GSM operator providing GSM services. A common practice of a GSM operator is to offer special rate concession to its subscribers for calling Mobile Numbers that are within the same network of the GSM operator in various forms such as: one flat rate for calling any Mobile Number within the GSM network; or special discounted rates for calling Mobile Numbers that are within the GSM network.

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Each GSM Module board contains 4 SIM cards holders. An intelligent SIM card can be automatically switched according to 4 conditions:

Minute parameter --- You can change counting of outgoing calls.

Count of minutes: Gateway will counter time of outgoing calls.

Count of calls: Gateway will counter number of outgoing calls.

By time --- SIM cards will be switched according to standby time

Time of use SIM ---- Interval of using selected SIM card.

Random --- SIM cards will be switched at random time.

--- Interval of change SIM card.



TopGSM

Interoperability

The **TopGSM/TopCDMA** is compliant with the world wide use.

GSM: Dual Band 900/1800 MHz using Wavecom GSM.

Tri Band 900/1800/1900 MHz using SIMCOM GSM.

Quad Band 900/1800/ 1900/850 MHz using SIMCOM GSM.

CDMA: CDMA: CDMA 2000 1X 800 MHz using ZTE MC8160

CDMA 2000 1X 450 Mhz using ZTE MC4160

CDMA 2000 1X 1900 Mhz using ZTE MC9160

UMTS: UMTS 850/1900/2100 MHz using Longsung U6100

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Advanced features

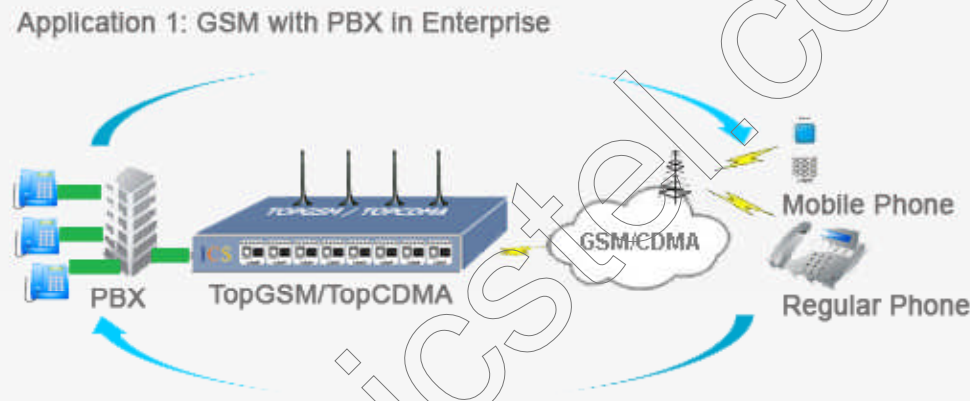
- Excellent voice quality
- Worldwide use (all GSM frequencies are supported; CDMA: 2000 1X 800Mhz, 450Mhz, 1900Mhz; UMTS 850/1900/2100 MHz)
- User friendly LED indicators on the front panel with notification of all important statuses (SIM card errors, signal strength, call status for programming, etc.)
- Tone dialing compatible
- Basic telephone facility support, Caller ID, speed dialing, redial and pre-dial
- Polarity reversal signal support for billing facility
- Easy & comfortable maintenance, configuration and upgrade
- TGG/TCG-804/808/808_4SC dimension: 19" – 1 Rack Unite tall chassis

Order Information

TGG801	1 Port GSM Analog Gateway
TGG804	4 Ports GSM Analog Gateway
TGG808	8 Ports GSM Analog Gateway
TGG808_4SC	8 Ports GSM Analog Gateway with 4 SIM cards per GSM channel
TCG801	1 Port CDMA Analog Gateway
TCG804	4 Ports CDMA Analog Gateway
TCG808	8 Ports CDMA Analog Gateway
TCG808_4SC	8 Ports CDMA Analog Gateway with 4 cards per CDMA channel

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Application 1:



Application 2:

