

PRIma Gate

- **From 8 to 32 channels**
- **Integrated LCR / Router**
- **Voice Call Back**
- **SMS Server***



Presentation

Specially designed for big companies, call-centres and companies whom GSM traffic is high, GSM gateway PRIma Gate contributes to decrease costs of fixed-to-mobile and mobile-to-fixed communication. Connected to a PBX, PRIma Gate gateway forwards incoming and outgoing calls trough GSM / UMTS network.

PRIma Gate may also decrease costs of call termination, when connected to alternative carrier equipment.

Its easy way for installing and programming, its upgradeability and flexibility make absolute must product.

Main features

- **GSM Gateway equipped with 8 GSM channels (or 3G*), upgradeable to 32.**
- **Incoming and outgoing calls managed by groups.** (SIM card groups)
- **Integrated LCR:** allow forwarding of outgoing calls via a group of SIM card according to caller's number and receiver's number.
- **Integrated router:** allow call forwarding trough PSTN PRI access.
- **Voice Call Back:** allow a worker to be callback by the gateway and make a free call from his mobile phone.
- **SMS Server :** allow sending and receiving of SMS from a mail client as Outlook®
- **Mobility extension.**
- **Smart Call Back:** The gateway saves in memory all outgoing missed calls. So, if the mobile which was called call back, PRIma Gate automatically forward the call to the initiator internal phone.
- **DISA** When calling a SIM card in the gateway, PRIma Gate can send dial tone and allow the caller to dial internal number.
- **Advanced credit management** for each SIM card, according to remaining credit and day of credit restoration.
- **CDR:** Call Detail Record.
- **Statistics** for use of GSM modules.
- **Configuration by PC** with **USB** or **Ethernet connection**

ISDN / PRI

- | | |
|--|--|
| <ul style="list-style-type: none"> ▪ 2 RJ45 ports useable in TE or NT mode ▪ Signaling EURO ISDN EDSS1 (Q.931), QISG ▪ Synchronization Master / Slave ▪ CRC4 enabled or disabled ▪ Channel blocking | <ul style="list-style-type: none"> ▪ RJ45 Pin setting ▪ TEI and HDLC channel selection ▪ Order of synchronization adjustable ▪ Direct Access (Channel / GSM Module) ▪ Call progress tone ▪ Long Haul |
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TECHNICAL SPECIFICATIONS

GSM

General

- Incoming and outgoing calls managed by groups of SIM cards.
- 1 to 32 incoming groups
- 1 to 32 outgoing groups
- PIN Code
- Credit management with remaining credit, setting of counts (second) and day of credit restoration.
- CLIR

Incoming calls

- DISA
- Smart Call Back (time calls saved adjustable)
- Call-Back

Default setting:

- 1 group of SIM card with all SIM card inside
- All incoming calls accepted and forwarded to PBX.
- DISA disabled
- Smart Call back enabled
- Call-Back disabled

Outgoing calls

- Management via groups of SIM card
- 3 modes for selecting GSM module to use
 - Always use the first module following if the first is busy.
 - Cyclic mode (1st, 2nd , 3rd , ..., 1st ...)
 - According to actual credit on the SIM card.
- Advanced routing table:
 - Management of routing profiles according to user or user group.

Features for carriers (On demand)

- GSM module SIM-locked
- Changes on dialed number on GSM network (add, remove digits)

Technical Data

- From 8 to 32 GSM channels (4 by card)
- Band: 900/1800MHz
- GSM module: Siemens TC35I
- Power: 2W
- SIM card: 3V
- Antenna: SMA female, Impedance 50 Ω
- Echo cancellation

Group management:

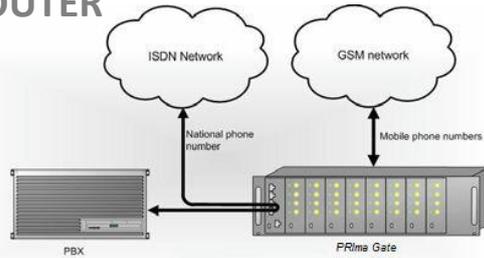
- 8 modes for incoming calls management

- > Receive all calls and forward them to PBX extension or user group.
- > Ignore all calls
- > Reject all calls
- > Receive authorized number and ignore others
- > Receive authorized number and reject others
- > Call-back authorized numbers and receive others
- > Call-back authorized numbers and ignore others
- > Call-back authorized numbers and reject others

+ setting of others features

- > Forwarding call according to dialed number, through GSM network or PSTN PRI network.
- > Management of multi call-overflow on several GSM groups and PSTN access.
- > Changes on dialed number for incoming calls (add, remove digits)

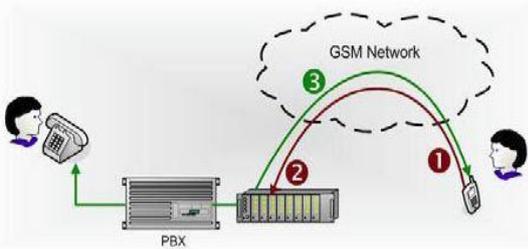
ROUTER



The gateway PRIma Gate is able to analyze dialed number and forward the call through GSM Network or PSTN PRI access. Also, if all GSM modules are busy, it is possible to forward the call through PSTN PRI network. Calls coming through PSTN PRI access are forwarded directly to the PBX.

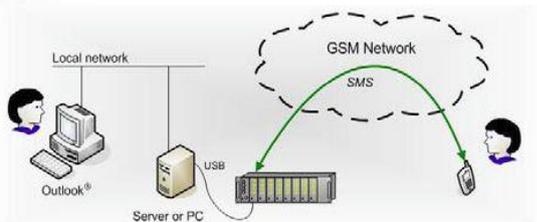
This feature is ideal for companies wishing use the GSM gateway but that on PBX has not free PRI port on PBX

CALL-BACK



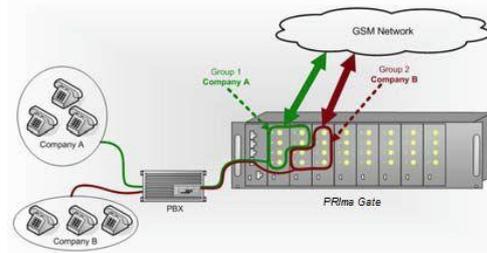
- 1 - A registered nomadic worker calls the gateway.
- 2 - PRIma Gate rejects the call.
- 3 - The gateway calls back the worker and offer him the dial tone. So, the worker can communicate with the company for free.

SMS



Sending and receiving SMS is possible through a mail client as Outlook. On each GSM card, the first module is used for SMS.

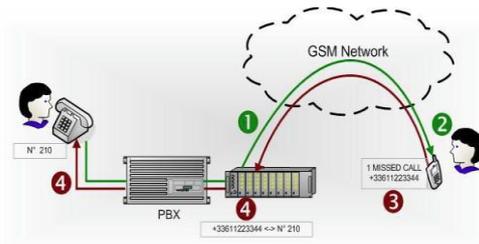
LCR



The Gateway PRIma Gate is able to manage up to 32 SIM card groups. According to dialed number and caller's number, call is forwarded through dedicated group. It is also possible to manage multi call-overflow to other groups and/or PSTN PRI access.

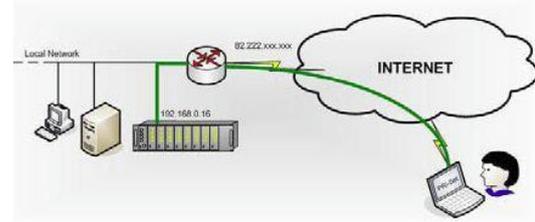
This feature is ideal for multi-companies PBX.

SMART CALL-BACK



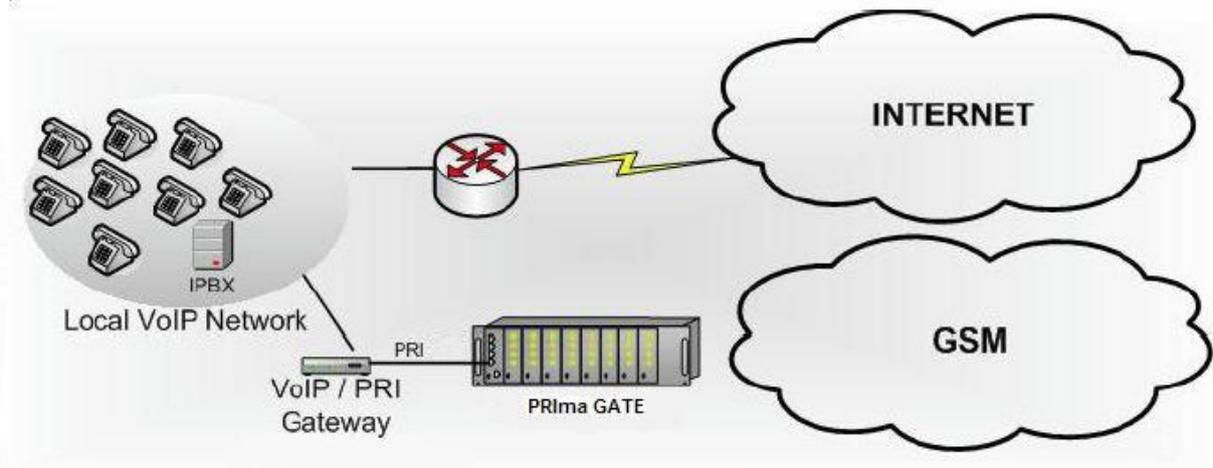
- 1 - A worker in company calls a mobile phone.
- 2 - The call is unanswered.
- 3 - The called person sees a missed call display and calls back the gateway.
- 4 - PRIma Gate gateway recognizes the CLIP and forward the call directly to the initiator internal extension.

REMOTE CONTROL



PRIma Gate can be programmed remotely via Internet.. This is possible by VPN access or port forwarding on router.

UPGRADE TO VOIP



PRIma Gate can be integrated easily in VoIP structures connecting itself to a PRI/VoIP gateway.

OTHERS

- Power supply: 110-120V AC,
220-240V AC
50-60Hz, Max: 380VA
- Weight: 13.8kg max
- Operating temperatures: 0-50°C
- Dimensions: 482 x 133 x 360 mm
(19" x 3U x 360mm)
- Relative humidity: max 95% to 40°C

OPTIONS

- 3G modules GSM
 - UMTS / HSDPA network
 - Sierra Wireless UMTS module
 - 3V SIM card
- Antenna: SMA female, impedance 50 Ω
- SMS Server
 - Multi user license
 - Sending and receiving SMS with a mail client as Outlook®
 - Receiving SMS in Outlook®

ADDITIONAL PRODUCTS

- Antenna splitters 1 / 16 (Rack 1U): Allow connection of 16 GSM modules on 1 antenna
- Antenna splitters 1 / 4
- Directional High Gain YAGI antenna 24dB
- Additional 4 GSM module card.
- USB cable for programming.
- 5dB antenna