



Comfort and Flexibility

- Significant cost reduction
- Voice, Data, SMS, PC FAX transmission
- GSM networks and PTT interconnection

Wireless
Modules
by Siemens
embedded

ATEUS® – ANALOGUE GSM GATEWAY

Comfort and Flexibility

Are you looking for a solution that could save significantly your expenses spent on calling? Can you imagine endless hours of talking on the phone without thinking of the costs? The **ATEUS® – ANALOGUE GSM GATEWAY** provides a flexible and cost efficient connection between telephone systems and GSM mobile networks. Connect it to your PBX system or analogue phone and route calls, data and SMS messages via GSM network. When dialling a GSM number, the call is bypassing PTT network and is routed directly to GSM. In addition, you can browse the Internet, send and receive e-mails and faxes from your PC through the GPRS or CSD data connection. The **ATEUS® – SMS** application allows all LAN users at your company to send and receive SMS messages directly from their computers. To assure connectivity during power failure, the battery back up is an optional accessory. The **ATEUS® – ANALOGUE GSM GATEWAY** may be programmed via analogue phone or via software with GUI, which is charged at no extra costs.

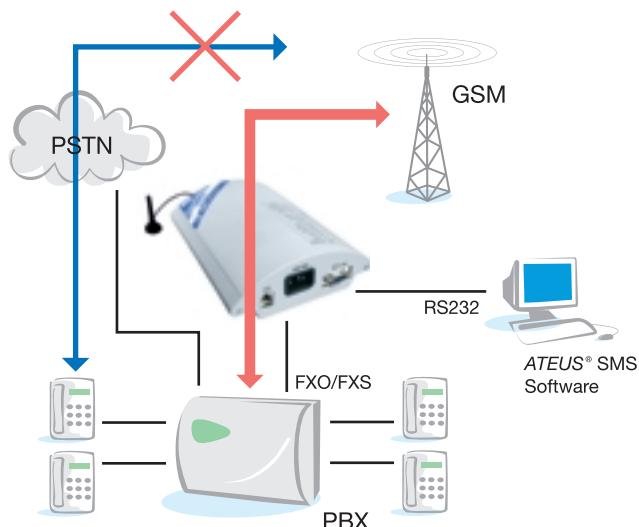


ATEUS® – ANALOGUE GSM GATEWAY

Features*:

- Substantial cost reduction
- GSM and PTT interconnection
- GPRS DATA connection
- Intelligent routing of incoming calls
- DTMF and pulse dialling
- High voice quality (EFR super sound)
- Data and PC FAX transmission
- SMS sending and receiving
- Dial restrictions and permissions
- SMS controlled switches and relays
- Battery back-up
- Acoustic alarms
- Versatile recognition of start/end of the call
- Tariff pulse transmitter, e.g. for coin phone
- End of dialling recognition
- Remote supervision

* all features depend on the order number of the gateway



Order numbers

Component	Order No.
FXO interface (i.e. CO, trunk line), without (w/o) back up, Siemens TC35i GSM module, 230 VAC	501101E
FXO interface, w/o back up, DATA, TC35i, 230 VAC	501100E
FXO interface, w/o back up, DATA, GPRS, Siemens MC35, 230 VAC	501105E
FXO interface, power supply (PS) with optional back-up (12 V), DATA, TC35i, 230 VAC	501063E
FXS interface (i.e. extension line), PS with optional back-up (12VDC), DATA, TC35i, 230 VAC	501061E
FXO interface, PS with optional back-up (12VDC), DATA, GPRS, MC35, 230 VAC	50110563E

Technical Parameters

GSM	
GSM network type	GSM 850/900/1800/1900* MHz
SIM card	plug-in 3 V, "small"
Transmitter power	2 W
Receiver sensitivity	-104 dBm
Antenna	
Frequency	GSM 850/900/1800/1900* MHz depending on present GSM GATEWAY model
Impedance	50 Ω
Power	2 W
Antenna connector type	FME (male)
Cable length	3 to 10 m or without cable
Mains	
230 V AC, tolerance:	230 V±10 %, 50 or 60 Hz
Power consumption	Max. 15 VA
Mains connector	Euro connector (PC)
Lithium battery type	CR2032
Back-up battery (for models with back-up only)	Lead, maintenance-free 12 V/1,2 Ah
Tel. line interface – model for PBX external line	
Interface type	2-wire, FXO
Connector type	RJ-12, 6/2
Off-hook AC impedance	600 Ω
On-hook line voltage	24 V DC
Off-hook line current	Max. 30 mA
Line loop resistance	Max. 800 Ω
Dialling tone frequency	425 Hz
Dialling type	Tone (DTMF) or pulse
Ringing voltage	45 VRMS, 50 Hz
Surge current	2x 10.000 A (8/20 μs)

Tel. line interface – model for PBX internal line (extension)

Interface type	2-wire, FXS
Connector type	RJ-12, 6/2
On-hook quiescent current	Max. 100 μA @ 60 V
Off-hook line current	10–65 mA
Off-hook line voltage	typ. 4 V @ 30 mA
Dialling tone frequency	425 Hz
Dialling type	Tone (DTMF) or pulse
Ringing voltage	min. 20 VRMS, 25–50 Hz
Ringing impedance	4–10 kΩ @ 50 Hz
Surge current	2x 10.000 A (8/20 μs)

Serial Interface

Interface type	RS-232C
Connector	D-Sub 9 pins, female
Interface data rate	19200 bit/sec

REMOTE SUPERVISION VIA GSM NETWORK

Universal inputs and outputs

Inputs – level "0"	Max. + 0,8 V DC
Inputs – level "1"	Min. + 2,1 V DC
Inputs – maximal voltage	Max. +/- 24 V
Switch No. 1 current	Max. 1 A AC or DC
Switch No. 1 voltage	Max. 48 V AC or DC
Switch No. 1 voltage to GND	Max. 48 V AC or DC
Switch No. – current	Max. + 50 mA (sink)
Switch No. – voltage	Max. + 24 V
Output +12 V – max. current	Max. 100 mA

Other

Dimensions (w/o connectors)	150x150x55 mm
Operating temperature	0 °C to 45 °C

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