



# Your Highway to GSM Networks

- High traffic volume
- Verified quality
- 2x PRI ISDN connection
- Scalable capacity (up to 32 GSM channels)
- Up to 8 SIM cards per GSM channel
- Voice and SMS transmission
- Virtual SIM card application support

Wireless  
Modules  
by Siemens  
embedded

## **ATEUS® – STARGATE**

### Your Highway to GSM Networks

Are you looking for a device which could save you some money and could make your communication an entertainment? The *ATEUS® – STARGATE* is a GSM Gateway intended for large companies and alternative providers. Thanks to its high capacity it is very easy to convert the full capacity of PRI ISDN directly into the GSM networks. Back-up channels, second PRI interface and a stable engine guarantee high proportion of successful calls. Thanks to the efficient Least Cost Routing (LCR), the call is always routed in the possible cheapest way. High level of stability is ensured by its own NOT PC based system. To the standard belongs the automatic generation of statistics for all outgoing and incoming calls and the memory for saving all these information as well. You can connect the *ATEUS® – STARGATE* into the Virtual SIM application system.



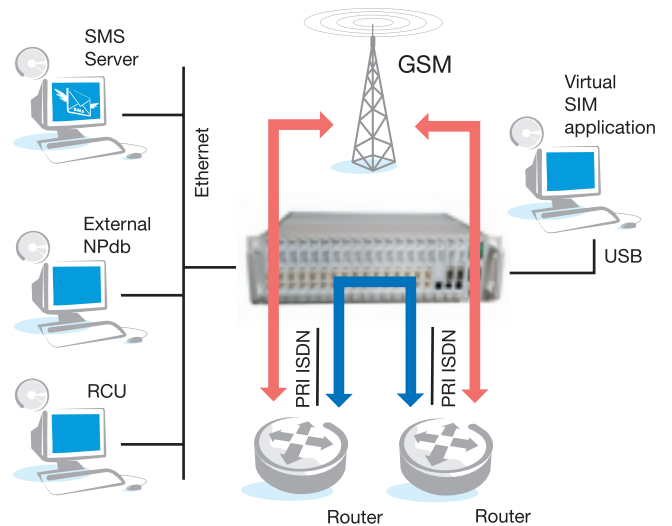
  
STARGATE

  
TELEKOMUNIKACE

# ATEUS® – STARGATE

## Features:

- Up to 2x PRI ISDN interfaces
- Up to 32 GSM channels (hot swappable)
- Efficient Least Cost Routing (LCR) according to free minutes
- NOT PC based
- Compact design
- Worldwide use (GSM 850/1900 MHz or 900/1800 MHz)
- Antenna splitter – two high gain YAGI antennas for the whole system
- Comfortable remote control and management
- SMS and Voice Callback
- Support for sending and receiving SMS messages
- Support for external number portability database (NPdb)
- Large memory (250 thousand) for detail Call Data Records
- Correct tone detection – special feature for Italy
- User friendly LED indicators on the front panel



## Order numbers

Component	Order No.
Basic unit (CPU, PSU, AUX and 1x PRI)	507000E
Basic unit (CPU, PSU, AUX and 2x PRI)	507010E
GSM card (2GSM channels, 4SIM holders per GSM channel) with 2x Siemens TC35i modules (900/1800 MHz)	507002E
GSM card (2GSM channels, 8SIM holders per GSM channel) with 2x Siemens TC35i modules (900/1800 MHz)	5070022E
GSM card with Virtual SIM support (2GSM channels, 2SIM holders per GSM channel+USB) with 2x Siemens TC35i modules (900/1800 MHz)	5070021E
Antenna splitter (32GSM channels to one directional antenna)	5060261E
STARGATE SMS user license	5070994E
STARGATE Look Up license	5070993E

## Technical parameters

PRI ISDN	
Number of ports	1x NT/TE or 2x NT/TE*
PRI ISDN details	S interface signaling EDSS1 (Q.931) QSIG (1x PRI) SS7 (ISUP)***
Synchronization	Connection via RJ45 connectors Master/Slave
VoIP	
Number of ports	1x
Protocol	SIP
Connection	RJ45
GSM	
GSM channels	From 2 to 32 (step 2)
Network types	900/1800 MHz or 850/1900 MHz**
GSM engine	TC35i, GM47, GM48*
Transmitter power	2 W (1 W)
SIM card	Small plug-in, 3 V
Antenna connector	SMA (female) Impedance 50 W
External Antenna splitter	
	Integrated over voltage protection
Input connector	SMA (female) Impedance 50 W
Output connector	N type female, impedance 50 W
Isolation between two channels	> 20 dB
Virtual SIM application	
Connection	Universal Serial Bus (USB 1.1)
Backup	Two fix SIM holders

## Antenna

With splitter	High gain YAGI dualband
Without splitter	Small dualband discreet antennas

## Mains

Power supply	100–240 V/50–60 Hz
Power input	Max. 230 VA
Backup battery	

## Local control

	2x RS232 serial connection
	D-Sub 9 pin connector
	Transmit speed 56700 b/s

## Remote control

	External Analogue, ISDN, GSM modem
	TCP/IP (Telnet protocol)
	PRI ISDN DATA
	HTTPS, SSH, SNMP, SMS, SMTP****

## Other

Dimensions	482x133x360 (84HPx3Ux360 mm)
Weight	9.8 kg
Operating temperature	20–50 °C
Relative humidity	Max 95 % at 40 °C
Recommended	Air condition, Line interactive UPS

\* depends on order number

\*\* depends on GSM engine type

\*\*\* will be available this year

\*\*\*\* with ATEUS® – RCU

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Available in the UK from Westlake Communications Ltd  
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