



The Cheapest PRI solution for your Company

- Scalable capacity according to your needs
 - Up to 8 GSM channels
- Voice and SMS transmission
 - VoIP interface
 - 2x PRI interface
- Outstanding Return on Investment (ROI)

Wireless
Modules
by Siemens
embedded



ATEUS® – BlueTower

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The *ATEUS®* PRI family has been extended to include a new product - *ATEUS®* BlueTower – an 8 channel PRI GSM Gateway

It's a great solution for small and medium enterprises with high proportion of calls to GSM networks. *ATEUS®* BlueTower reduces dramatically the costs of calls from the fixed network to mobile networks. The Gateway system converts fixed to mobile or mobile to fixed calls into much cheaper mobile to mobile calls.

Thanks to the sophisticated Least Cost Router (LCR) and intelligent routing according to free minutes, all calls are always routed in the possible cheapest way.

In order to ensure advanced ways of communication and competitiveness, the *ATEUS®* BlueTower has been equipped with features as follows:

- > SMS and Voice Callback – very often utilized by staff on the field. Telephone costs are even more deducted as the person who is ex. abroad is contacted directly by his colleagues in the company
- > SMS server enables all LAN users sending and receiving SMS messages
- > RCU – Remote Control Unit makes possible remote control and maintenance for up to 8 *ATEUS®* PRI units
- > Nquire SW – as you cannot rely on traditional LCR which is based on methods using the mobile number prefix, Nquire Software Solution offers a database which enables the PRI GSM Gateways to accurately identify and correctly route mobile telephone calls.

ATEUS® BlueTower may be enhanced with a VoIP interface as well.

Utilizing all BlueTower features, you gain cost effective, up-to-date and comfortable way of communication.

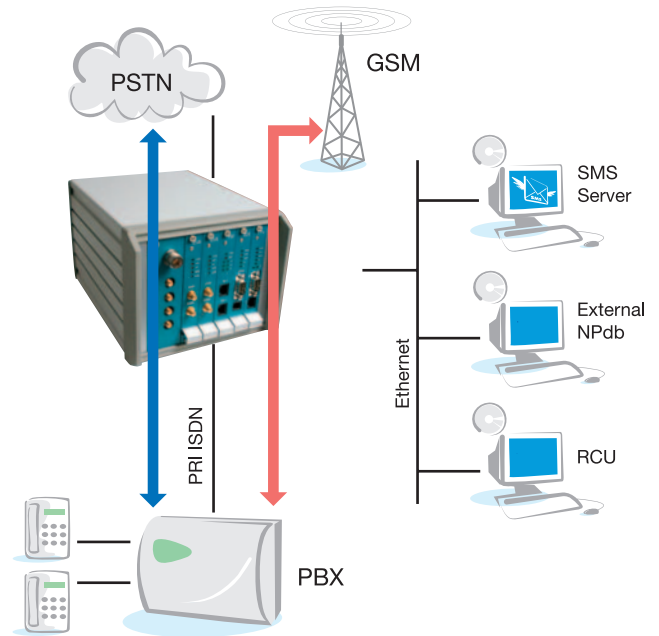


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ATEUS® – BlueTower

Features:

- Up to 8 GSM channels – scalable capacity
- Up to 2x PRI ISDN interfaces
- Efficient Least Cost Routing (LCR)
- Intelligent routing of calls according to free minutes
- SMS & Voice Callback
- SMS in the case of missed call
- SMS server – support for sending & receiving SMS messages
- Support for external Number portability database
- Call statistics and 100% control over all calls
- GSM network monitoring
- Optionally integrated antenna splitter
- Comfortable remote control and maintenance
- Worldwide use



Configuration

Component	Order No.
Basic unit consisting of rack mountable chassis, power supply, CPU, 2xPRI and AUX card, scalable from 2 to 8 GSM channels (1-4x507302E)	507310E
GSM card (2 GSM channels, 4 SIM cards per channel) with 2 x Siemens TC35i GSM modules, 900/1800MHz	507302E
Integrated antenna combiner 4/1 (4 GSM channels to 1 directional YAGI antenna)	5073241E
BlueTower ATEUS® XAPI SMS licence	5073994E
BlueTower ATEUS® Voice CallBack	5073996E

Technical parameters

PRI ISDN	
Number of ports	1xNT/TE or 2x NT/TE
PRI ISDN details	S interface
	signalling EDSS1 (Q.931)
	QSIG (1xPRI)
	Connection via RJ45 connectors
VoIP***	
Number of ports	1x
Protocol	SIP
Connector	RJ45
GSM	
GSM channels	From 2 to 8 (step2, max 4 in case of integrated antenna splitter)
Network types	850/900/1800/1900 MHz**
GSM engine	Siemens TC35i, MC45i and MC46i
SIM card	Small plug-in, 3 V
Antenna connector	SMA (female), Impedance 50Ω
Antenna splitter (optional)	
Input connector	SMA (female), Impedance 50Ω
Output connector	N type (female), Impedance 50Ω
Isolation between two channels	>20dB
Antenna	
With splitter	High gain dual band YAGI
Without splitter	Small dual band discreet antennas

Mains

Power supply	External adapter 90-260V/50-60Hz
Power output	5V 4A

Local control

	2x RS232 serial connection
	D-Sub 9 pin connector
	Transmit speed 57600b/s

Remote control

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

Other

Dimensions(WxHxD)	186x133x256 (29HPx3Ux256mm)
Weight	3 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 later this year

**** with ATEUS® – RCU

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