

## ECOTEL® compact VoIP model

Cost-effective connectivity between IP, ISDN and GSM networks

4your mobile

- Cost-effective interconnectivity IP-GSM
- Additional S<sub>0</sub> interfaces
- Effective least cost routing with local SIM management
- Connection of mobile sites (office containers, ships, RVs, emergency vehicles)
- Last mile concepts / Wireless local loop (WLL)

The VoIP GSM Gateway ECOTEL® VoIP provides costeffective connections between IP, ISDN and GSM networks. Intelligent local SIM management reduces connection costs by up to 70 percent.

The number of GSM channels is scalable up to a total of eight, and the GSM modules are compatible with all types of GSM networks (GSM 850/900/1800/1900). ECOTEL® VoIP offers a built-in antenna splitter

which ensures easy installation with a maximum of two antennas. The gateway can simultaneously route up to eight IP calls to GSM.

Potential applications range from integration into an existing VoIP infrastructure and connection of mobile offices all the way to distributed installations with SIM card server integration and multiple gateways using a common configuration software.





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**DECT** alternative

PBX extensions diverted to cell phones cause tremendous costs. ECOTEL® ISDN and ECOTEL® VoIP reduce costs by establishing costefficient mobile-mobile connections. Additionally they make it possible to use the PBX features switching between calls and announced call transfer from the mobile phones.

For even more PBX features use ECOTEL® VTM flex or ECOTEL® VTM pro in combination with Mobile Integration solutions of leading VIERLING partners.

## **VIERLING**

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## **ECOTEL® VoIP** - The perfect add-on for any SIP-based PBX

Besides its GSM channels (up to eight), ECOTEL® VoIP also offers two  $S_0$  interfaces to the ISDN network.

On the IP end, ECOTEL® VoIP is based on the session initiation protocol (SIP) standard and supports all commonly used codecs. A complete SIP server is integrated into the gateway. To configure the system a Windows program running on a PC or notebook is used. PC or notebook are connected via LAN or USB. The gateway also allows remote access via GSM. For documentation purposes, ECOTEL® VoIP saves call detail records (CDRs) with all of the important data for each connection.

Voice signalling         SIP           Codecs         6.711 PCM at 64 kbps           6.726 and G.727 E-ADPCM at 16 to 40 kbps           6.729 Annex & CS-ACELP at 8 kbps           6.729.1 (optional) MP-MLQ/ACELP at 6,3/5,3 kbps           Echo cancellation         G.168 - 2000; max. echo length 25 ms (15 ms for G.726A)           VAD (Voice Activity Detection)         G.728 für G.729A coders           CKO (Comfort Noise Generator)         G.723.1 A für G.723.1 coders           Protocols         TCP, UDP, IP, RTP, RTSP, TELNET, TTPP, HTTP, SMTP           Interfaces         LAN 10/100Base-T, RJ45, USB 1.1B type           Antenna         one or two external antennas, SMA connector, one or two 4-channels-antenna splittler integrated           Administration software         comfortable administrator software, Win98 and above           Administration interfaces         LAN, USB, GSM           GSM channels         2 - 8           Voice messages         downloadable wave files           Speed calling memory         via routing entries           Operational status display         LED           Routing - outgoing calls         •           SIM switching / local SIM management         1 - 8 different SIM cards can register to one GSM module alternately           SIM card server         Integration of external SIM card server           SIM car	Features	
G.726 and G.727 E-ADPCM at 16 to 40 kbps G.729/Annex A CS-ACELP at 8 kbps G.729/Annex A CS-ACELP at 8 kbps G.729/Annex A CS-ACELP at 8 kbps G.723.1 (optional) MP-MLQ/ACELP at 6,3/5,3 kbps Echo cancellation G.168-2000; max. echo length 25 ms (15 ms for G.726A) VAD (Voice Activity Detection) G.729B für G.729A coders CNG (Comfort Noise Generator) CNG (Comfort Noise Generator) G.723.1 für G.723.1 coders Protocols TCP, UDP, IP, RTR, RTSP, TELNET, TFTP, HTTP, SMTP Interfaces LAN 10/100Base-T, RJ45, USB 1.1B type Antenna one or two external antennas, SMA connector, one or two 4-channels-antenna splitter integrated Administration software Administration interfaces LAN, USB, GSM GSM channels 2 - 8 Voice messages downloadable wave files Speed calling memory via routing entries Operational status display LED Routing - incoming calls e. SIM switching / local SIM management 1 - 8 different SIM cards can register to one GSM module alternately SIM card server Integration User registration at internal SIP server up to 8 outbound proxies Monitoring software Monitoring software Molite number Portability DB requests Call Back - Call Ba	Voice signalling	SIP
G.729/Annex A CS-ACELP at 8 kbps G.723.1 (optional) MP-MLO/ACELP at 6,3/5,3 kbps  Echo cancellation G.168-2000, max. echo length 25 ms (15 ms for G.726A) VAD (Voice Activity Detection) G.729 fire G.729A coders  CNG (Comfort Noise Generator) CNG (Comfort Noise Gray Antendary Comfort Noise Generator) CNG (Comfort Noise Gray Antendary Comfort Noise Generator) CNG (Comfort Noise Gray Anderson (Comfort Noise Generator) CNG (Comfort Noise (Comfort Noise Gene	Codecs	G.711 PCM at 64 kbps
C.723.1 (optional) MP-MLO/ACELP at 6,3/5,3 kbps		G.726 and G.727 E-ADPCM at 16 to 40 kbps
Echo cancellation         G.168-2000; max. echo length 25 ms (15 ms for G.726A)           VAD (Voice Activity Detection)         G.7298 für G.729A coders           Protocols         TCP, UDP, IP, RTP, RTSP, TELNET, TFTP, HTTP, SMTP           Interfaces         LAN 10/100Base-T, R.145, USB 1.18 type           Antenna         one or two external antennas, SMA connector, one or two 4-channels-antennas splitter integrated           Administration software         comfortable administrator software, Win98 and above           Administration interfaces         LAN, USB, GSM           GSM channels         2 - 8           Voice messages         downloadable wave files           Speed calling memory         via routing entries           Operational status display         LED           Routing - incoming calls         •           Routing - incoming calls         •           SIM switching / local SIM management         1 - 8 different SIM cards can register to one GSM module alternately           SIM card server         Integration of external SIM card server           SIP server integration         •           User registration at internal SIP server         •           Monitoring software         up to 8 outbound proxies           Monitoring software         online monitoring, call and SIM statistics           MINP         Mobile Number		G.729/Annex A CS-ACELP at 8 kbps
VAD (Voice Activity Detection)         G.729B für G.729A coders           CNG (Comfort Noise Generator)         G.723.1A für G.723.1 coders           Protocols         TCP, UDP, IP, RTP, RTSP, TELNET, ITTP, HTTP, SMTP           Interfaces         LAN 10/100Base-T, RJ45, USB 1.1B type           Antenna         one or two external antennas, SMA connector, one or two 4-channels-antenna splitter integrated           Administration software         comfortable administrator software, Win98 and above           Administration interfaces         LAN, USB, GSM           GSM channels         2 - 8           Voice messages         downloadable wave files           Speed calling memory         via routing entries           Operational status display         LED           Routing - incoming calls         •           Routing - outgoing calls         •           SIM switching / local SIM management         1 - 8 different SIM cards can register to one GSM module alternately           SIM card server         Integration of external SIM card server           SIP server integration         •           User registration at internal SIP server         •           Routing on external SIP server         up to 8 outbound proxies           Monitoring software         online monitoring, call and SIM statistics           MNP         Mobile Number Portab		G.723.1 (optional) MP-MLQ/ACELP at 6,3/5,3 kbps
CNG (Comfort Noise Generator)         G.723.1A für G.723.1 coders           Protocols         TCP, UDP, IP, RTP, RTSP, TELNET, TFTP, HTTP, SMTP           Interfaces         LAN 10/100Base-T, R145, USB 1.1B type           Antenna         one or two external antennas, SMA connector, one or two 4-channels-antennas splitter integrated           Administration software         comfortable administrator software, Win98 and above           Administration interfaces         LAN, USB, GSM           GSM channels         2 - 8           Voice messages         downloadable wave files           Speed calling memory         via routing entries           Operational status display         LED           Routing - incoming calls         •           Routing - outgoing calls         •           SIM switching / local SIM management         1 - 8 different SIM cards can register to one GSM module alternately           SIM card server         Integration of external SIM card server           SIP server integration         •           User registration at internal SIP server         •           Wonitoring software         online monitoring, call and SIM statistics           MNP         Mobile Number Portability DB requests           Call Back         •           Remote access         GSM, LAN           Call line identificati	Echo cancellation	G.168-2000; max. echo length 25 ms (15 ms for G.726A)
Protocols Interfaces LAN 10/100Base-T, RJ45, USB 1.1B type Antenna one or two external antennas, SMA connector, one or two 4-channels- antenna splitter integrated Administration software Administration interfaces LAN, USB, GSM GSM channels 2 - 8 Voice messages downloadable wave files Speed calling memory via routing entries Operational status display LED Operational status display Routing - incoming calls SIM switching / local SIM management 1 - 8 different SIM cards can register to one GSM module alternately SIM card server Integration of external SIM card server SIP server integration User registration at internal SIP server Monitoring software Monitoring software Monitoring software Molile Number Portability DB requests Call Back emente access GSM, LAN Call line identification CLIP eneration of Call Detail Records (CDR) PBX interfaces Cand locking PC configuration Use 1.1 B-type / LAN / GSM Internet protocols TCP, FTP, Telnet Short Message Service (SMS) SIM card locking PC SMS/Data/Fax LAN, USB Power supply Internet Integration (LAB x H)	VAD (Voice Activity Detection)	G.729B für G.729A coders
Interfaces     LAN 10/100Base-T, RJ45, USB 1.1B type       Antenna     one or two external antennas, SMA connector, one or two 4-channels-antenna splitter integrated       Administration software     comfortable administrator software, Win98 and above       Administration interfaces     LAN, USB, GSM       GSM channels     2 - 8       Voice messages     downloadable wave files       Speed calling memory     via routing entries       Operational status display     LED       Routing - incoming calls     •       Routing - outgoing calls     •       SIM switching / local SIM management     1 - 8 different SIM cards can register to one GSM module alternately       Islib card server     Integration of external SIM card server       SIP server integration     •       User registration at internal SIP server     up to 8 outbound proxies       Monitoring software     unline monitoring, call and SIM statistics       MNP     Mobile Number Portability DB requests       Call Back     •       Remote access     GSM, LAN       Call line identification CLIP     •       Generation of Call Detail Records (CDR)     •       PBX interfaces     2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)       PC configuration     USB 1.1 B - type / LAN / GSM       Internet protocols     TCP, FTP, Telnet       Short Message Service (S	CNG (Comfort Noise Generator)	G.723.1A für G.723.1 coders
Antenna one or two external antennas, SMA connector, one or two 4-channels- antenna splitter integrated  Administration software comfortable administrator software, Win98 and above  Administration interfaces LAN, USB, GSM  GSM channels 2 - 8  Voice messages downloadable wave files  Speed calling memory via routing entries  Operational status display LED  Routing - incoming calls •  Routing - outgoing calls •  SIM switching / local SIM management 1 - 8 different SIM cards can register to one GSM module alternately  SIM card server Integration of external SIM card server  SIP server integration at internal SIP server up to 8 outbound proxies  Monitoring software online monitoring, call and SIM statistics  MNP Mobile Number Portability DB requests  Call Back •  Remote access GSM, LAN  Call line identification CLIP •  Generation of Call Detail Records (CDR) •  PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration USB 1.1 B-type / LAN / GSM  Internet protocols TCP, FTP, Telnet  Short Message Service (SMS) •  SIM card locking •  PC SMS/Data/Fax LAN, USB  Power supply 100-290 V AC, 50-60 Hz, 15 V DC  Dimension 255 x 185 x 63 mm (Lx B x H)	Protocols	TCP, UDP, IP, RTP, RTSP, TELNET, TFTP, HTTP, SMTP
Administration software comfortable administrator software, Win98 and above Administration interfaces LAN, USB, GSM GSM channels 2 - 8 Voice messages downloadable wave files Speed calling memory via routing entries Operational status display LED Routing - incoming calls • Routing - outgoing calls • SIM switching / local SIM management 1 - 8 different SIM cards can register to one GSM module alternately SIM card server Integration • User registration at internal SIP server up to 8 outbound proxies Monitoring software up to 8 outbound proxies Monitoring software online monitoring, call and SIM statistics MNP Mobile Number Portability DB requests Call Back • Remote access GSM, LAN Call line identification CLIP • Generation of Call Detail Records (CDR) • PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45) PC configuration USB 1.1 B-type / LAN / GSM Internet protocols SIM card locking • PC SMS/Data/Fax LAN, USB Power supply 100-290 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (L x B x H)	Interfaces	LAN 10/100Base-T, RJ45, USB 1.1B type
Administration software     comfortable administrator software, Win98 and above       Administration interfaces     LAN, USB, GSM       GSM channels     2 - 8       Voice messages     downloadable wave files       Speed calling memory     via routing entries       Operational status display     LED       Routing - incoming calls     •       Routing - outgoing calls     •       SIM switching / local SIM management     1 - 8 different SIM cards can register to one GSM module alternately       SIM card server     Integration of external SIM card server       SIP server integration     •       User registration at internal SIP server     •       Routing on external SIP server     up to 8 outbound proxies       Monitoring software     up to 8 outbound proxies       Monitoring software     online monitoring, call and SIM statistics       MNP     Mobile Number Portability DB requests       Call Back     •       Remote access     GSM, LAN       Call line identification CLIP     •       Generation of Call Detail Records (CDR)     •       PBX interfaces     2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)       PC configuration     USB 1.1 B-type / LAN / GSM       Internet protocols     •       Short Message Service (SMS)     •       SIM card locking     •	Antenna	one or two external antennas, SMA connector, one or two 4-channels-
Administration interfaces  LAN, USB, GSM GSM channels  2 - 8  Voice messages  downloadable wave files  Speed calling memory  via routing entries  Operational status display  LED  Routing - incoming calls  Routing - outgoing calls  SIM switching / local SIM management  1 - 8 different SIM cards can register to one GSM module alternately  SIM card server  Integration of external SIM card server  SIP server integration  User registration at internal SIP server  Routing on external SIP server  up to 8 outbound proxies  Monitoring software  Mobile Number Portability DB requests  Call Back  Remote access  GSM, LAN  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  Sports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension		antenna splitter integrated
GSM channels 2 - 8 Voice messages downloadable wave files Speed calling memory via routing entries Operational status display LED Routing - incoming calls • Routing - outgoing calls • SIM switching / local SIM management 1 - 8 different SIM cards can register to one GSM module alternately SIM card server Integration • User registration at internal SIP server • Routing on external SIP server up to 8 outbound proxies Monitoring software online monitoring, call and SIM statistics MNP Mobile Number Portability DB requests Call Back • Remote access GSM, LAN Call line identification CLIP • Generation of Call Detail Records (CDR) • PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45) PC configuration USB 1.1 B-type / LAN / GSM Internet protocols TCP, FTP, Telnet Short Message Service (SMS) • SIM card locking • PC SMS/Data/Fax LAN, USB Power supply 100-290 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (Lx B x H)	Administration software	comfortable administrator software, Win98 and above
Voice messages Speed calling memory Via routing entries  Operational status display LED  Routing - incoming calls SIM switching / local SIM management SIM switching / local SIM management SIP server integration User registration at internal SIP server Routing on external SIP server  Routing on external SIP server  Monitoring software Monitoring software Mobile Number Portability DB requests Call Back Remote access GSM, LAN Call line identification CLIP Generation of Call Detail Records (CDR) PBX interfaces PC configuration USB 1.1 B-type / LAN / GSM Internet protocols TCP, FTP, Telnet Short Message Service (SMS)  FOX SMS/Data/Fax LAN, USB Power supply Dimension  Via routing entries  downloadable wave files  downloadable wave files  via routing entries  downloadable wave files  downloadable wave files  variouting entries  e.  downloadable wave files  downloadable wave files  e.  Call Sim satus SIM card server  up to 8 different SIM cards can register to one GSM module alternately  Short Message Service (SMS)  e.  SIM card locking PC SMS/Data/Fax LAN, USB  Power supply 100-290 V AC, 50-60 Hz, 15 V DC  Dimension	Administration interfaces	LAN, USB, GSM
Speed calling memory Operational status display Routing - incoming calls Routing - outgoing calls SIM switching / local SIM management SIP server integration User registration at internal SIP server Routing on external SIP server Online monitoring, call and SIM statistics MNP Mobile Number Portability DB requests Call Back Remote access GSM, LAN Call line identification CLIP Generation of Call Detail Records (CDR) PBX interfaces PC configuration USB 1.1 B-type / LAN / GSM Internet protocols SIM card locking PC SMS/Data/Fax LAN, USB Power supply Dimension  via routing entries Via routing entries LED  e  Call status (subsequence)  •  Remote acres GSM module alternately Integration of external SIM card server Integration of external SIM card server  on line rediscion of external SIM card server  •  Routing on external SIP server  up to 8 outbound proxies  on line monitoring, call and SIM statistics  MNP Mobile Number Portability DB requests  call land SIM statistics  MNP  Online monitoring, call and SIM statistics  MNP  Mobile Number Portability DB requests  call sim status display  on bline nonitoring software  on line monitoring, call and SIM statistics  MNP  Mobile Number Portability DB requests  call land SIM statistics  MNP  Usb Requests  call land SIM statistics  MNP  Mobile Number Portability DB requests  call sim status display  call server  on line monitoring, call and SIM statistics  MNP  Usb Requests  on line monitoring, call and SIM statistics  NNP  Usb Requests  on line monitoring software  on line monitoring, call and SIM statistics  NNP  Usb Requests  on line detriction on SIM card server  on line monitoring call server  o	GSM channels	2 - 8
Operational status display       LED         Routing - incoming calls       •         Routing - outgoing calls       •         SIM switching / local SIM management       1 - 8 different SIM cards can register to one GSM module alternately         SIM card server       Integration of external SIM card server         SIP server integration       •         User registration at internal SIP server       •         Routing on external SIP server       up to 8 outbound proxies         Monitoring software       online monitoring, call and SIM statistics         MNP       Mobile Number Portability DB requests         Call Back       •         Remote access       GSM, LAN         Call line identification CLIP       •         Generation of Call Detail Records (CDR)       •         PBX interfaces       2 ports EDSS 1, TE/NT, Pt/PtMP, LAN (RJ45)         PC configuration       USB 1.1 B-type / LAN / GSM         Internet protocols       TCP, FTP, Telnet         Short Message Service (SMS)       •         SIM card locking       •         PC SMS/Data/Fax       LAN, USB         Power supply       100-290 V AC, 50-60 Hz, 15 V DC         Dimension       255 x 185 x 63 mm (L x B x H)	Voice messages	downloadable wave files
Routing - incoming calls•Routing - outgoing calls•SIM switching / local SIM management1 - 8 different SIM cards can register to one GSM module alternatelySIM card serverIntegration of external SIM card serverSIP server integration•User registration at internal SIP server•Routing on external SIP serverup to 8 outbound proxiesMonitoring softwareonline monitoring, call and SIM statisticsMNPMobile Number Portability DB requestsCall Back•Remote accessGSM, LANCall line identification CLIP•Generation of Call Detail Records (CDR)•PBX interfaces2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)PC configurationUSB 1.1 B-type / LAN / GSMInternet protocolsTCP, FTP, TelnetShort Message Service (SMS)•SIM card locking•PC SMS/Data/FaxLAN, USBPower supply100-290 V AC, 50-60 Hz, 15 V DCDimension255 x 185 x 63 mm (L x B x H)	Speed calling memory	via routing entries
Routing - outgoing calls  SIM switching / local SIM management  I - 8 different SIM cards can register to one GSM module alternately  Integration of external SIM card server  Integration of external SIM card server  SIP server integration  User registration at internal SIP server  Routing on external SIP server  up to 8 outbound proxies  Monitoring software  online monitoring, call and SIM statistics  MNP  Mobile Number Portability DB requests  Call Back  Remote access  GSM, LAN  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  Dimension  255 x 185 x 63 mm (L x B x H)	Operational status display	LED
SIM switching / local SIM management  SIM card server  Integration of external SIM card server  SIP server integration  User registration at internal SIP server  Routing on external SIP server  Wonitoring software  Monitoring software  Mobile Number Portability DB requests  Call Back  Remote access  GSM, LAN  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension  255 x 185 x 63 mm (L x B x H)	Routing - incoming calls	•
SIM card server  SIP server integration  User registration at internal SIP server  Routing on external SIP server  Monitoring software  Monitoring software  Mobile Number Portability DB requests  Call Back  Remote access  GSM, LAN  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension  Internet protocols  SIM card locking  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension	Routing - outgoing calls	•
SIP server integration User registration at internal SIP server  Routing on external SIP server  Monitoring software  Monitoring software  Mobile Number Portability DB requests  Call Back  Remote access  GSM, LAN  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension	SIM switching / local SIM management	1 - 8 different SIM cards can register to one GSM module alternately
User registration at internal SIP server  Routing on external SIP server  Monitoring software  Monitoring software  Mobile Number Portability DB requests  Call Back  Remote access  GSM, LAN  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  ■  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension  Districts SIM substitution in the notion of the provided in th	SIM card server	Integration of external SIM card server
Routing on external SIP serverup to 8 outbound proxiesMonitoring softwareonline monitoring, call and SIM statisticsMNPMobile Number Portability DB requestsCall Back●Remote accessGSM, LANCall line identification CLIP●Generation of Call Detail Records (CDR)●PBX interfaces2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)PC configurationUSB 1.1 B-type / LAN / GSMInternet protocolsTCP, FTP, TelnetShort Message Service (SMS)●SIM card locking●PC SMS/Data/FaxLAN, USBPower supply100-290 V AC, 50-60 Hz, 15 V DCDimension255 x 185 x 63 mm (L x B x H)	SIP server integration	•
Monitoring softwareonline monitoring, call and SIM statisticsMNPMobile Number Portability DB requestsCall Back•Remote accessGSM, LANCall line identification CLIP•Generation of Call Detail Records (CDR)•PBX interfaces2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)PC configurationUSB 1.1 B-type / LAN / GSMInternet protocolsTCP, FTP, TelnetShort Message Service (SMS)•SIM card locking•PC SMS/Data/FaxLAN, USBPower supply100-290 V AC, 50-60 Hz, 15 V DCDimension255 x 185 x 63 mm (L x B x H)	User registration at internal SIP server	•
MNP Mobile Number Portability DB requests  Call Back • GSM, LAN  Call line identification CLIP • Generation of Call Detail Records (CDR) • PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration USB 1.1 B-type / LAN / GSM  Internet protocols TCP, FTP, Telnet  Short Message Service (SMS) • SIM Card locking • PC SMS/Data/Fax LAN, USB  Power supply 100-290 V AC, 50-60 Hz, 15 V DC  Dimension 255 x 185 x 63 mm (L x B x H)	Routing on external SIP server	up to 8 outbound proxies
Call Back  Remote access  GSM, LAN  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension  •	Monitoring software	online monitoring, call and SIM statistics
Remote access  Call line identification CLIP  Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  Dimension  GSM, LAN	MNP	Mobile Number Portability DB requests
Call line identification CLIP       ●         Generation of Call Detail Records (CDR)       ●         PBX interfaces       2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)         PC configuration       USB 1.1 B-type / LAN / GSM         Internet protocols       TCP, FTP, Telnet         Short Message Service (SMS)       ●         SIM card locking       ●         PC SMS/Data/Fax       LAN, USB         Power supply       100-290 V AC, 50-60 Hz, 15 V DC         Dimension       255 x 185 x 63 mm (L x B x H)	Call Back	•
Generation of Call Detail Records (CDR)  PBX interfaces  2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration  USB 1.1 B-type / LAN / GSM  Internet protocols  TCP, FTP, Telnet  Short Message Service (SMS)  •  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension  •	Remote access	GSM, LAN
PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)  PC configuration USB 1.1 B-type / LAN / GSM  Internet protocols TCP, FTP, Telnet  Short Message Service (SMS)   SIM card locking  PC SMS/Data/Fax LAN, USB  Power supply 100-290 V AC, 50-60 Hz, 15 V DC  Dimension 255 x 185 x 63 mm (L x B x H)	Call line identification CLIP	•
PC configuration USB 1.1 B-type / LAN / GSM Internet protocols TCP, FTP, TeInet  Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax LAN, USB  Power supply 100-290 V AC, 50-60 Hz, 15 V DC  Dimension 255 x 185 x 63 mm (L x B x H)	Generation of Call Detail Records (CDR)	•
Internet protocols Short Message Service (SMS)  SIM card locking PC SMS/Data/Fax LAN, USB  Power supply 100-290 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (L x B x H)	PBX interfaces	2 ports EDSS 1, TE/NT, PtP/PtMP, LAN (RJ45)
Short Message Service (SMS)  SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension  255 x 185 x 63 mm (L x B x H)	PC configuration	USB 1.1 B-type / LAN / GSM
SIM card locking  PC SMS/Data/Fax  LAN, USB  Power supply  100-290 V AC, 50-60 Hz, 15 V DC  Dimension  255 x 185 x 63 mm (L x B x H)	Internet protocols	TCP, FTP, Telnet
PC SMS/Data/Fax         LAN, USB           Power supply         100-290 V AC, 50-60 Hz, 15 V DC           Dimension         255 x 185 x 63 mm (L x B x H)	Short Message Service (SMS)	•
Power supply         100-290 V AC, 50-60 Hz, 15 V DC           Dimension         255 x 185 x 63 mm (L x B x H)	SIM card locking	•
Dimension 255 x 185 x 63 mm (L x B x H)	PC SMS/Data/Fax	LAN, USB
	Power supply	100-290 V AC, 50-60 Hz, 15 V DC
External antenna FME/SMA	Dimension	255 x 185 x 63 mm (L x B x H)
	External antenna	FME/SMA