

ECOTEL® compact VolP model

Cost-effective connectivity between IP, ISDN and GSM networks

4your mobile

- Cost-effective interconnectivity IP-GSM
- Additional S₀ 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





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 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.

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	Features	
G.726 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.729.31 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) G.723.1A für G.723.1 coders Protocols TOP, UDP, IP, RTR, RTSP, TELNET, TFIP, 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 e. Routing - outgoing calls e. SIM switching / local SIM management SIM card server SISIP server integration User registration at internal SIP server wip to 8 outbound proxies Monitoring software Monitoring software Monitoring software Molile Number Portability DB requests* Call Back e. Remote access GSM, LAN Call line identification CLIP Generation of Call Detail Records (CDR) PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, ETH 10/100 (RJ45) PC configuration USB 1.1 B-type / LAN / GSM Internet protocols TOP, FTP, Telnet Short Message Service (SMS) SIM card locking POP CSMS/Data/Fax LAN, USB Power supply 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (Lx B x H)	Voice signalling	SIP
G.729/Annex A CS-ACELP at 8 kbps G.723.1 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.729.8 für G.729A coders CNG (Comfort Noise Generator) Protocols TCP, UDP, IP, RTP, RTSP, TELNET, TFTP, HTTP, SMTP Interfaces LAN 10/100Base-T, R145, USB 1.18 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 SIM scard server Integration 1 - 8 different SIM cards can register to one GSM module alternately SIM card server Integration of external SIP server Routing on external SIP server Wonitoring software Monitoring software Monitoring software Monitoring software Monitoring software Molie Number Portability DB requests* Call Back e-Remote access GSM, LAN Call line identification CLIP Generation of Call Detail Records (CDR) PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, ETH 10/100 (RJ45) PC configuration USB 1.1 E-type / LAN / GSM Internet protocols TCP, FTP, Telnet Short Message Service (SMS) SIM card locking PO SMS/Data/Fax LAN, USB Power supply 100-240 V AC, 50-60 Hz, 15 V DC Dimension	Codecs	G.711 PCM at 64 kbps
Echo cancellation G.723.1 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.7298 für G.729A coders CNG (Comfort Noise Generator) G.723.1 A für G.723.1 coders Protocols TCP, UDP, IP, RTTSP, TELNET, TFTP, HTTP, SMTP Interfaces LAN 10/100Base-T, RJ45, USB 1.18 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 • 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 unine 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) • PEX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (Lx B x H)		G.726 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. 729 für G. 729 Acoders CNG (Comfort Noise Generator) G. 723.1 a für G. 723.1 coders Top 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- 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. Routing - incoming calls 9. SIM switching / local SIM management 1 - 8 different SIM cards can register to one GSM module alternately SIM card Server Integration of external SIP server Routing on external SIP server Routing on external SIP server Monitoring software Monitoring software Monitoring software Monitoring software Monitoring software Monitoring software Monitoring identification CLIP 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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension		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, 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 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 Portability DB requests* Call Back • Remote ac		G.723.1 MP-MLQ/ACELP at 6,3/5,3 kbps
CNG (Comfort Noise Generator) 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- 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 **Outing - 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 **Outing on external SIP server Monitoring software Monitoring software Monitoring software Monitoring software Monitoring software Monitoring call Detail Records (CDR) **Remote access GSM, LAN Call line identification CLIP Generation of Call Detail Records (CDR) PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, ETH 10/100 (RJ45) PC configuration USB 1.1 B-type / LAN / GSM Internet protocols TCP, FTP, Telnet Short Message Service (SMS) **Outing Number Portability DB requests* LAN, USB Power supply 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (L x B x H)	Echo cancellation	G.168-2000; max. echo length 25 ms (15 ms for G.726A)
Protocols TCP, UDP, IP, RTP, 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 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 • 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 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, ETH 10/100 (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 100-240 v AC, 50-60 Hz, 15 v DC Dimension 255 x 185 x 63 mm (L x B 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 • Routing - outgoing calls • SIM switching / local SIM management 1 - 8 different SIM cards can register to one GSM module alternately SIP 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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (Lx B x H)	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 interfaces LAN, USB, GSM GSM channels 2 - 8 Voice messages Ownloadable wave files Speed calling memory Operational status display LED Routing - incoming calls Routing - outgoing calls SIM switching / local SIM management SIM switching / local SIM management SIM server Integration of external SIM cards can register to one GSM module alternately SIM card server Integration of external SIM card server SUP server integration User registration at internal SIP server Routing on external SIP server Wholie Number Portability DB requests* Call Back Integration of call Detail Records (CDR) PBX interfaces Call Iline identification CLIP Generation of Call Detail Records (CDR) PBX interfaces Call Detail Records (CDR) 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 100-240 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 - outgoing 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, ETH 10/100 (RJ45) PC configuration USB 1.1 B-type / LAN / GSM Internet protocols SIM card locking • PC SMS/Data/Fax LAN, USB Power supply 100-240 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 Administration interfaces LAN, USB, GSM GSM channels 2 - 8 Voice messages Voice messages Voice dealling memory Via routing entries Operational status display LED 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 Routing on external SIP server Monitoring software Monitoring software Monitoring software Monitoring caces SIM LAN Call line identification CLIP Generation of Call Detail Records (CDR) PBX interfaces SPMS	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 Whonitoring 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, ETH 10/100 (RJ45) PC configuration Internet protocols TCP, FTP, Telnet Short Message Service (SMS) SIM card locking PC SMS/Data/Fax LAN, USB Power supply 100-240 V AC, 50-60 Hz, 15 V DC Dimension		antenna splitter integrated
GSM channels Voice messages downloadable wave files Speed calling memory via routing entries Departional status display LED Routing - incoming calls Routing - outgoing calls SIM switching / local SIM management SIM switching / local SIM management SIP 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 Monitoring software Mobile Number Portability DB requests* Call Back SGM, LAN Call line identification CLIP Generation of Call Detail Records (CDR) PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, ETH 10/100 (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 (Lx B x H)	Administration software	comfortable administrator software, Win98 and above
Voice messages Speed calling memory Via routing entries Speed calling memory Via routing entries LED Routing - incoming calls Routing - outgoing calls SIM switching / local SIM management SIM switching / local SIM management Integration of external SIM card server SIP server integration User registration at internal SIP server Routing on external SIP server Uniting on external SIP server Uniting on external SIP server Monitoring software Monitoring software Mobile Number Portability DB requests* Call Back SCALL Inie identification CLIP Generation of Call Detail Records (CDR) PEX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension Call Data SIM satistics Administrates Service (SMS Han) Call Color (SMS) Call Co	Administration interfaces	LAN, USB, GSM
Speed calling memory Operational status display Routing - incoming calls Routing - outgoing calls 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 up to 8 outbound proxies Monitoring software Monitoring software Monitoring software Monitoring software 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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension LED Internet protocols STOP A MICH SE A MIC	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, ETH 10/100 (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 100-240 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 management Integration of external 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 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 Dimension P different SIM cards can register to one GSM module alternately 1 - 8 different SIM cards can register to one GSM module alternately 1 - 8 different SIM cards can register to one GSM module alternately 1 - 8 different SIM cards server 1 - 8 different SIM cards server 1 - 8 different SIM cards server 1 - 8 different SIM card server 1 - 8 different SIM card server 1 - 8 different SIM card server sone GSM module alternately 2 ports EDS 1, TE/NT, PtP/PtMP, ETH 10/100 (RJ45) PC SMS/Data/Fax LAN, USB Power supply Dimension 2 55 x 185 x 63 mm (L x B x H)	Speed calling memory	via routing entries
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 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, ETH 10/100 (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 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 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, ETH 10/100 (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 100-240 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 PC configuration Internet protocols TCP, FTP, Telnet Short Message Service (SMS) SIM card locking PC SMS/Data/Fax LAN, USB Power supply Dimension Internet protocol Dimension Internet protocol Dimension Internet protocol Dimension Internet protocol STCP, STP, Telnet LAN, USB Dimension PO SMS/Data/Fax LAN, USB Dimension Internet protocol STCP, STP, Telof Detail LAN, USB Dimension Internet protocol STS x 185 x 63 mm (L x B x H)	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, ETH 10/100 (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 100-240 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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (L x B x H)	SIM card server	Integration of external SIM card 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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (L x B x H)	SIP server integration	•
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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 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, ETH 10/100 (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 100-240 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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (L x B x H)	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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension 255 x 185 x 63 mm (L x B x H)	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, ETH 10/100 (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 100-240 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, ETH 10/100 (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 100-240 V AC, 50-60 Hz, 15 V DC Dimension •	Remote access	GSM, LAN
PBX interfaces 2 ports EDSS 1, TE/NT, PtP/PtMP, ETH 10/100 (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 100-240 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, Telnet Short Message Service (SMS) SIM card locking PC SMS/Data/Fax LAN, USB Power supply 100-240 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 100-240 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, ETH 10/100 (RJ45)
Short Message Service (SMS) SIM card locking PC SMS/Data/Fax LAN, USB Power supply 100-240 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 100-240 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 100-240 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 100-240 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	100-240 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