2N® EasyGate PRO



Telephone connection even in places without a landline

2N® EasyGate PRO is a one-channel analogue GSM gateway giving the user an opportunity to save costs on calls to GSM networks.
2N® EasyGate PRO can be used for voice, data, analogue FAX and SMS transmission. It allows you fixed line functionality but in a mobile solution.



- **Battery back-up**
- **GSM signal indicator**
- **USB connector**
- **SMS alerts**

Features:

- Voice calls over GSM
- FAX, SMS sending/receiving and Data connection (GPRS/CSD)
- Internal battery back-up
- SMS alerts about power failure/restoration
- Baby Call as an automatic dial feature
- Identification of calling party from GSM (FSK CLIP)
- Rechargeable batteries in package (optional)

Benefits:

- Cost reduction solution
- Fixed line replacement
- Analogue FAX over GSM

Intended for:

- Small companies with up to 40 employees
- Home Offices
- Households in rural areas
- Elevator companies

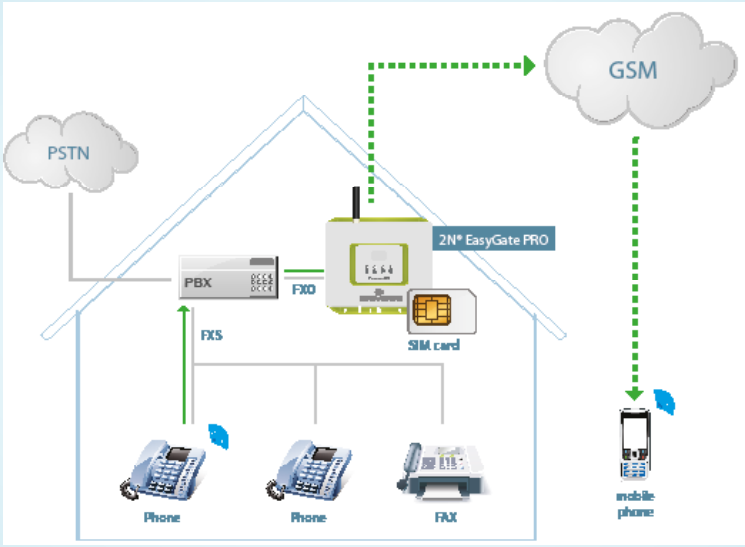
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Fixed line replacement



You can connect an analogue phone or PBX to get voice connection. A PC connected to a USB port can access the Internet and send/receive SMS messages.
The 2N® EasyGate PRO can be used in areas where a fixed line is not available, or as an alternative for persons/companies that no longer want to use fixed lines.

Cost savings scenario



In this scenario, companies connect the 2N® EasyGate PRO to their existing PBX with an analogue interface. All calls to mobile networks are routed via the gateway and customers can save up to 70 percent on their calling costs.

Technical Parameters

GSM interfaces	
GSM	850/900/1800/1900 MHz
DATA	GPRS Class 10, CSD max. 14.4 kbps
SIM card	3V and 1,8V
Fax	G3 Analog Fax (optional)
Telephone interface	
FXS Line	For Phone, G3 FAX device, PBX CO line
Dialing type	Tone (DTMF) and pulse
Calling line ID	CLI via FSK
Power Supply	
Power adaptor supplied with gateway (12V/0.5A)	
External power supply from 10 to 16V DC can be used	
AA rechargeable battery back-up integrated (optional)	
Management interface	
USB port	SMS, Configuration, Upgrade
Data interfaces	
USB port	For GPRS and CSD connection
FXS line	For CSD connection (optional)



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2N® EasyGate PRO UMTS



GSM gateway instead of a landline

The 2N® EasyGate PRO UMTS is a single-channel UMTS gateway that can be used to completely replace a landline via the mobile network, wherever there are no installed cables.

The gateway enables calls to all networks via the UMTS network, high-speed data connection and transmission of text messages. The 2N® EasyGate PRO UMTS can be remotely detected and configured via the mobile network. Moreover the gateway has advanced functions, such as a backup power supply in the event of a power failure.



- **USB connector**
- **Mobile signal indicator**
- **Internal power backup**
- **SMS warning**

Features:

- Calls via GSM and UMTS
- High-speed data connection via UMTS
- Remote configuration and supervision
- Concurrent call and data connection via UMTS
- SMS warning of battery status
- Option of backup power

Advantages:

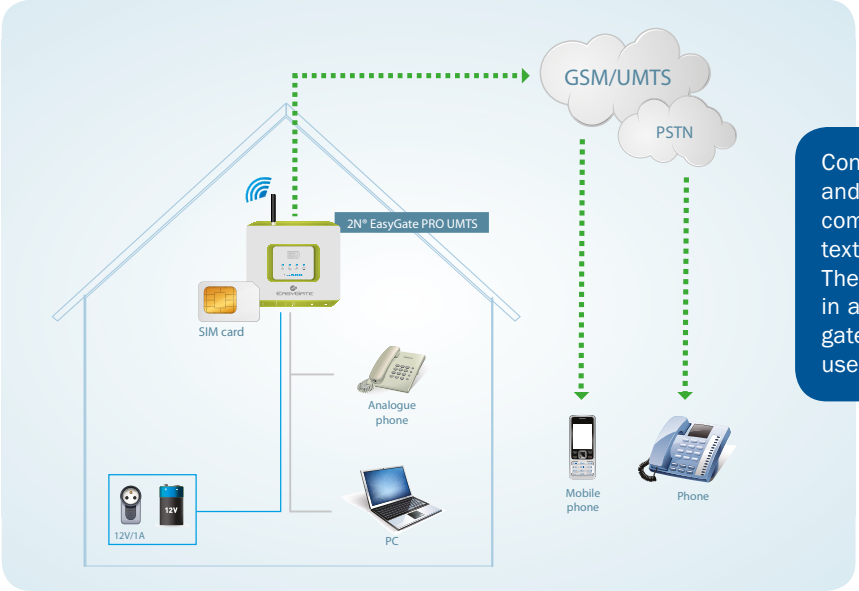
- Reduction in costs
- Replacement of landline
- High-speed internet connection

Intended for:

- Small firms with up to 40 employees
- Home offices
- Lift installers

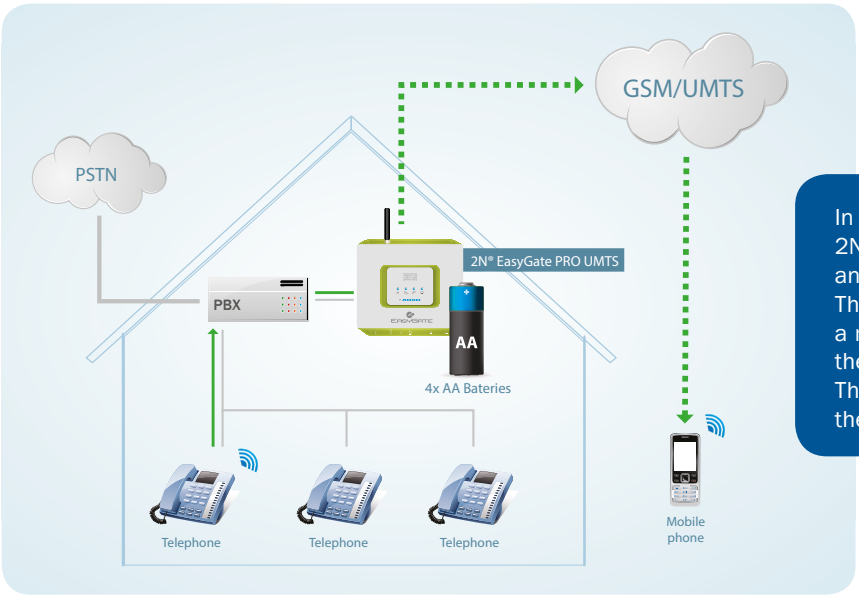
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Replacement of landline



Connect an analogue telephone or PBX and start making calls. With a connected computer, you can also receive and send text messages or browse the internet.
The 2N® EasyGate PRO UMTS can be used in areas where there is no landline, or the gateway can provide an alternative for users who no longer want to use a landline.

Cost savings



In this scenario, the firm connects the 2N® EasyGate PRO UMTS gateway via an analogue interface to its existing PBX.
The exchange identifies a call to a mobile number and routes the call via the 2N® EasyGate PRO UMTS gateway. The gateway is accessible to all users of the exchange.

Technical parameters

GSM/UMTS interface	
GSM	850/900/1800/1900 MHz
UMTS	900/2100 MHz (EU version) 850/1900 MHz (US version) 850/2100 Mhz (JP version)
DATA	HSDPA 3,6 Mbps, WCDMA, EDGE, GPRS
SIM card	3V and 1,8V
Telephone interface	
FXS line	For telephone, PBX CO line
Dialling	Tone (DTMF) and pulse
Caller ID	Transmission of number via FSK
Power supply	
Power adapter supplied with gateway (12V/1A)	
Option of power supply from external source 10 to 16V DC	
Integrated backup AA rechargeable battery (optional)	
Data interface	
Configuration and upgrade using the 2N® PC Manager Uni tool	



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2N® VoiceBlue Next

VoIP - GSM gateway



Compatible

Next generation of VoIP gateways

2N® VoiceBlue Next is part of the new generation of VoIP gateways. It can significantly reduce your company's call costs to mobile networks and is compatible with a wide range of IP PBXs. It is also a very powerfull SMS gateway for bulk SMS messaging.

2N® VoiceBlue Next offers you many extra services, such as 2N® Mobility Extension. This service gives your mobile phone all the features of your office desk phone, including the ability to transfer a call to a colleague in your company.



Features:

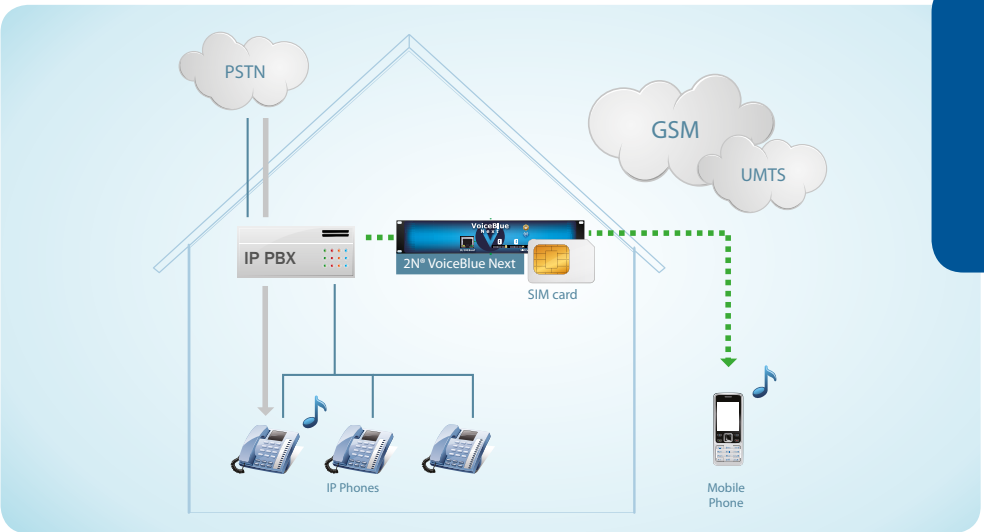
- Least Cost Routing (LCR) – time profiles, free minutes counting
- 2N® Mobility Extension and Callback service
- PoE (Power over Ethernet)
- SMS sending/receiving over web interface, Email or SMPP (Short Message Peer-to-peer)
- Web interface
- 2N® SIM Star support (virtual SIM)

Benefits:

- Significant cost reduction
- Elimination of roaming fees
- Greater employee mobility
- Easy set up via web interface
- 19“ Rack mountable

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How does 2N® VoiceBlue Next work?



Target groups:

- Bank branches
- Car service stations
- Insurance companies
- IT Companies
- Call shops
- all companies with an IP PBX

This product is intended for all SOHO and SME companies that use VoIP technology in their communication system and want to save costs on calls to GSM networks.

The most valuable benefits

Cost savings – an internal GSM gateway
2N® VoiceBlue Next is a smart gateway which primarily enables you to save money on calls to and from GSM networks. Thanks to a Least Cost Router (LCR) the cheapest route is selected. It connects VoIP network with the GSM network and thus eliminates cost differences between them. And it saves you money.

Greater employee flexibility – 2N® Mobility Extension
You will no longer miss a single call and can always be reached on one number via your mobile phone wherever you are. It is up to you if you answer the incoming call on your desk phone or mobile phone. Similarly, outgoing calls from your mobile phone can be identified under a company number. On the top of that your mobile becomes a fully functional part of the 2N® VoiceBlue Next communications system with all its services - you can, for example, transfer or hold calls from your mobile.

Elimination of roaming fees – Callback service
The CallBack service is intended for all who want to save money when calling from abroad. It enables you to take advantage of the fact that when roaming incoming calls are always cheaper than outgoing ones. 2N® VoiceBlue Next can call you back when you are abroad and connect your international call immediately after receiving your request. This can be simply done by calling the number of the SIM card in the GSM gateway and let it ring just once.

2N® VoiceBlue Next is also compatible with various IP PBXs:

- Cisco Call Manager
- Alcatel-Lucent,
- Siemens Hi-Path
- Asterisk
- Panasonic
- 3CX
- Elastix
- Innovaphone
- SWYX
- Avaya
- Microsoft Lync
- Trixbox

and many others...

Technical parameters

VoIP	
Voice	SIP signaling (TCP, UDP), DTMF sending RFC2833
Codecs	G.711 PCM at 64 kbps; G.729 Annex AB
Wireless	
Network bands	GSM 850/900/1800/1900 MHz, UMTS 800/850/900/2100 MHz
Wireless modules	Cinterion MC55i-w / Telit GE910 / Telit HE910-EUR
Antenna	One external antenna (integrated antenna splitter); SMA connector
Number of channels	2 or 4
Others	
Protocols	TCP, UDP, IP, RTP, TELNET, HTTP, SIP, SNMP, POP3, SMTP, SMPP
Connector type	LAN 100Base-T, RJ45
Administration method	Web interface; AT commands
Power supply type	PoE (802.3af) , External power adapter 90-230V, 50-60Hz to 12V DC 2A
Power consumption	Max. 20 W
Dimensions	220x45x140 mm



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