

2N OMEGA Series PBXs

Communication Solutions for Small and Medium-sized Businesses



- ★ Free inter-company calls
- ★ Fully functional even without a connection to the landline network
- ★ Mobility Extension – use a mobile phone as a standard extension of your PBX
- ★ VoIP support – call over the internet
- ★ Compact design (internal GSM gateway)
- ★ Voice Mail *
- ★ Automated least cost routing for outgoing calls (LCR)
- ★ Excellent flexibility – initial custom configuration allows for later expansion
- ★ Direct connection to all landline and mobile public telephone networks (analog, ISDN, GSM & UMTS *)

* Coming soon



Private branch exchanges from the 2N Omega Series are intended for all customers who are looking for an efficient communication solution that can be set up and adjusted to suit their individual needs.

The Omega Series offers a possibility to connect to all common landline and mobile networks (analog, ISDN, GSM), including the ever more popular option of internet telephony via the VoIP technology. You can now interconnect the exchanges in remote corporate branches, allowing your employees to call each other within your network free of charge as a part of your standard internet connection fee. Exchanges from the 2N Omega Series do not require any landline connection – they are fully functional even when connected via integrated GSM modules, which means that they can be used in fully mobile applications if necessary. Thanks to the unique 2N Mobility Extension function, you can even turn any mobile phone into a standard telephone extension, with all the PBX functions still fully usable.

2N Omega Lite

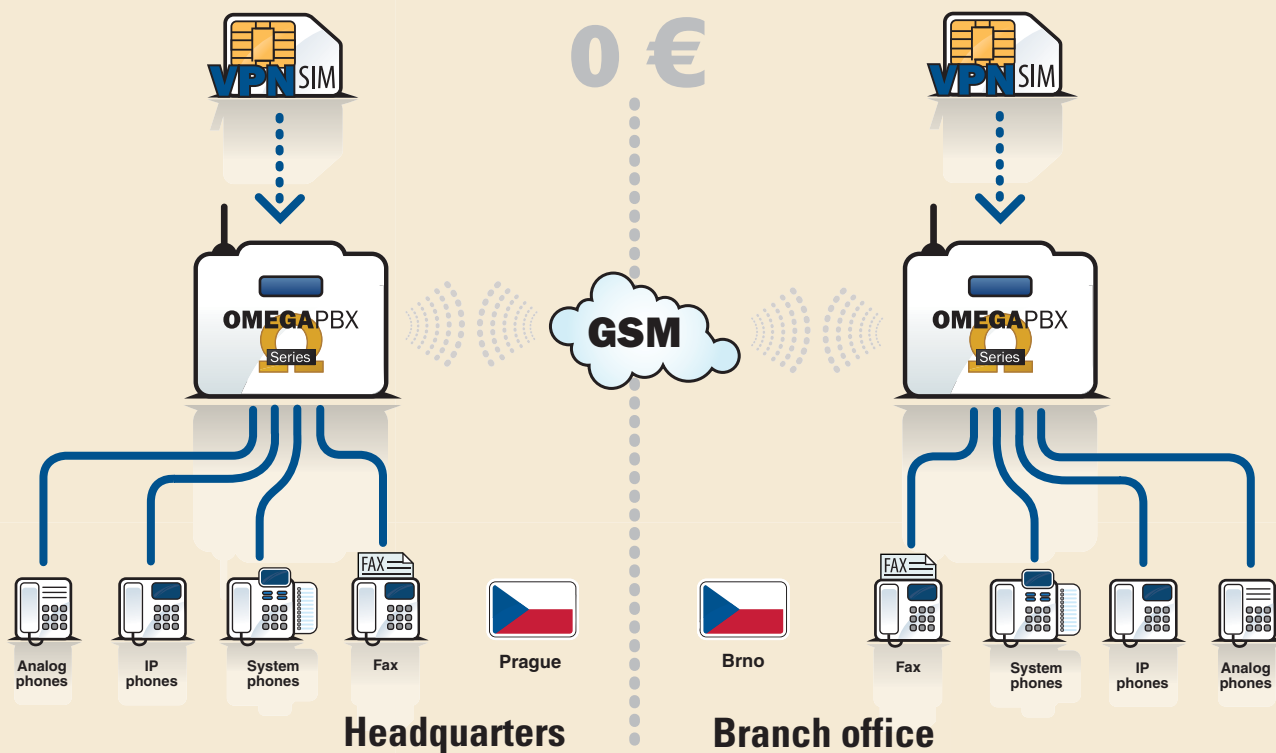
2N Omega Lite PBX has 24 ports and in all its aspects represents a perfect communication tool for all companies with up to 20 employees.

2N Omega 48

The latest product from the Omega line, 2N Omega 48 PBX offers twice as many ports as the Lite version (48 instead of 24). This makes it the best choice for all companies with up to 40 employees who have a large number of internal calls and a not very big amount of external calls.

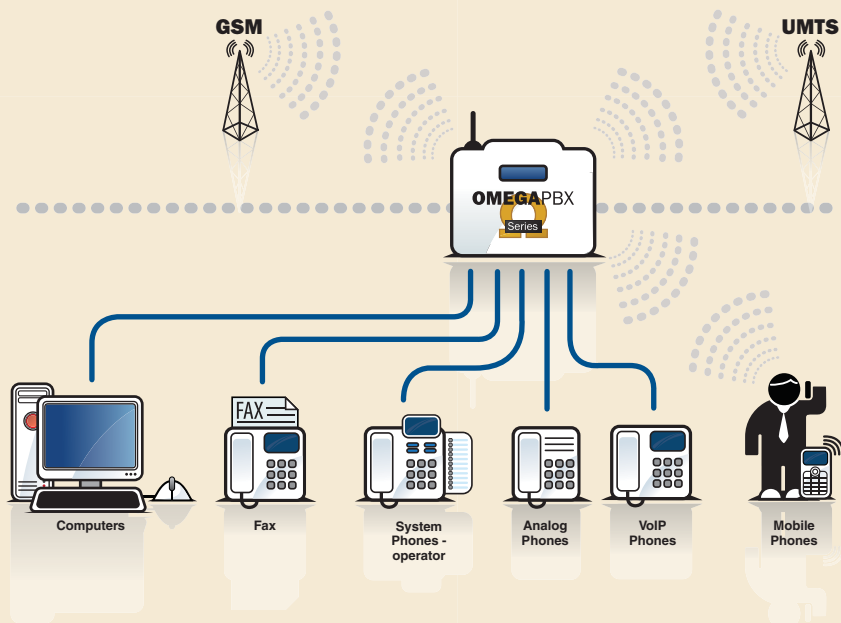


HQ x Branch office connection over GSM for free*











* with VPN SIM cards

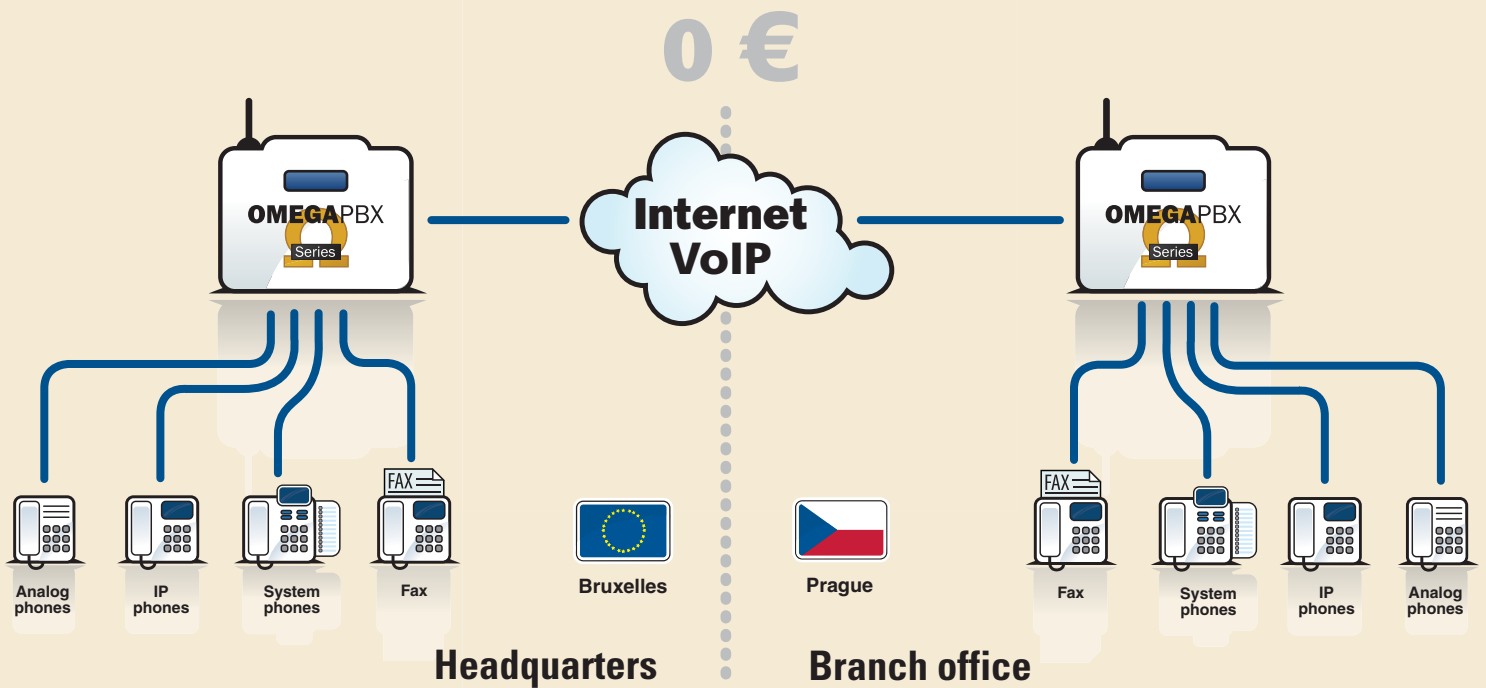
Mobile PBX Concept



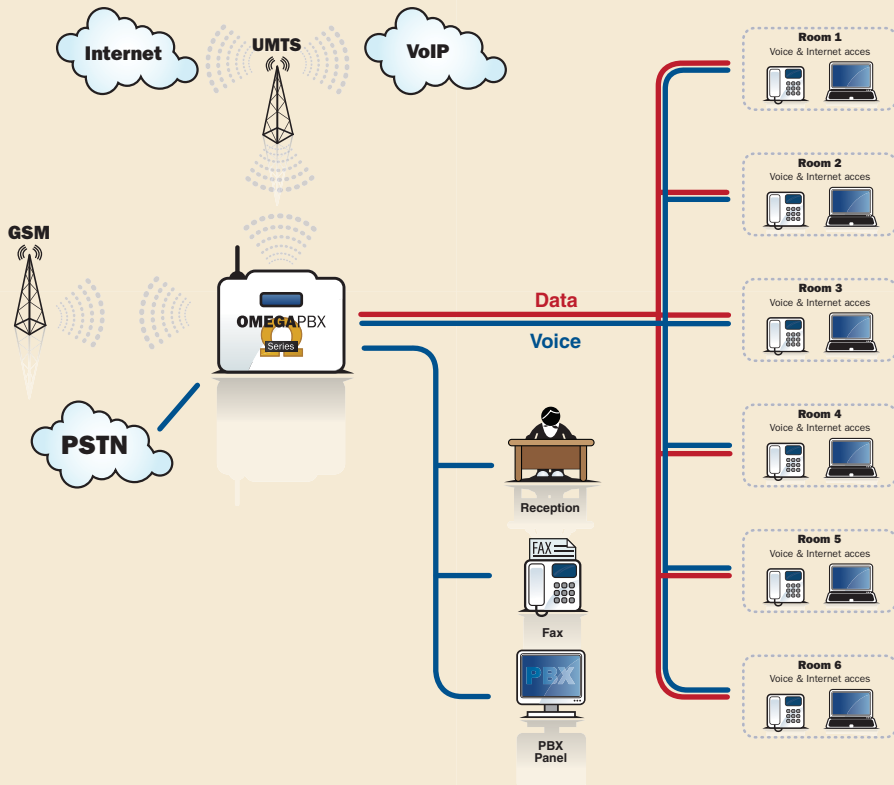
Key benefits

-  **No fixed lines**
-  **All services available**
-  **Mobility Extension**
PBX Extension on your mobile
-  **Internet connection up to 7,2 Mbp/s**
-  **SMS sending**
-  **IVR**
Interactive Voice Response
-  **Tapi/Outlook Plug-in**
-  **SNMP**
Automatic remote monitoring








HQ x Branch office calls over IP for free



Family hotel PBX



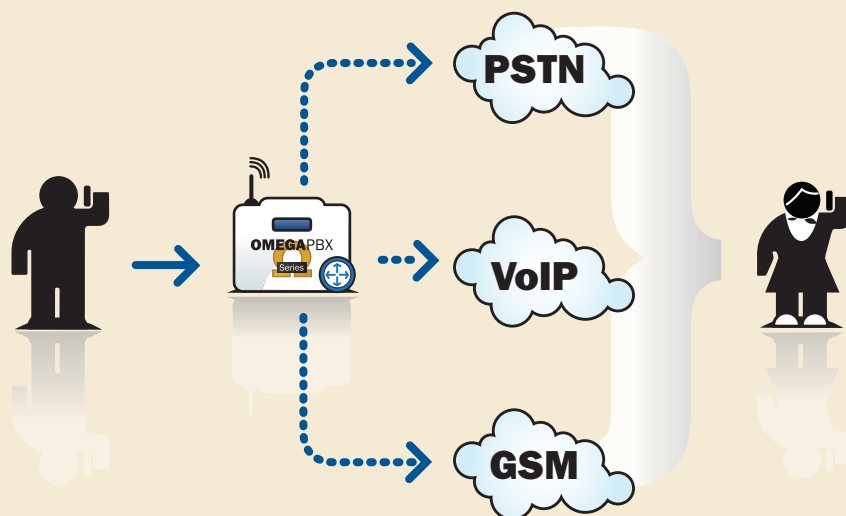
Key benefits

-  **PBX panel** - remote setup of
 - Blocking room phones
 - Do not disturb function
 - Alarm clock
 - State of room phones
 - Calls list & overview
-  **LCR**
Least Cost Router
-  **SMS to customers**
-  **Tapi/Outlook Plug-in**
-  **IVR**
Interactive voice response
-  **Billing software**
-  **Internet access in every room**

Useful features

- ★ **Transfer** to any telephone number during a call
- ★ **Redirection** of incoming calls under defined conditions to another telephone / more telephones
- ★ **Taking over** a call coming to another internal line
- ★ **Conference** – joint conference call of several persons
- ★ **Voice Mail *** – sophisticated voice recorder
- ★ **Display of caller number - CLIP**
- ★ **Call parking** – possibility to park a call temporarily
- ★ **Banned numbers** – blocking prohibited numbers
- ★ **“Follow me”** – remote activation of redirection to the setting telephone
- ★ **Notification during a call** that another call is coming
- ★ **DISA direct inward dialing** – answering of a call by the PBX and transfer to a selected number from the list
- ★ **user groups** – possibility to define 2 separate groups with different services set up
- ★ **DAY / NIGHT mode** – possibility to set up 2 user profiles depending on the specific time
- ★ **Selectable music while waiting**
- ★ Other

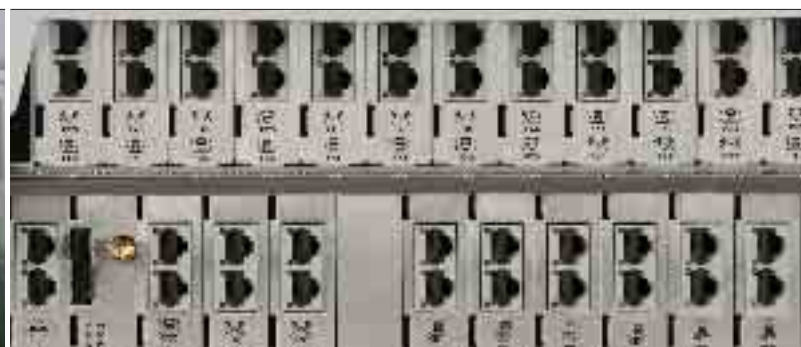
Automatic Least Cost Router (LCR)



Technical parameters

Power supply	
Nominal mains voltage	230 V / 120 V AC
Tolerance of mains voltage	±10%
Nominal frequency	50 Hz / 60 Hz
Input	Max. 90 VA
Climatic conditions	
Temperature range	+ 15 °C až + 45 °C
Relative air humidity	Max. 85% (40 °C)
Classification of environment	Basic
Operating position	Upright
Internal line parameters	
Impedance of analogue input	600 W ±20%
Ringing voltage	45 V ~ / 50 Hz
Line supply voltage	24 V
Line current	Approx. 25 MA
Type of connector	RJ-45 (PIN 4,5)
External line parameters	
Analogue input impedance	600 W ±20% / ETSI
Type of connector	RJ-45 (PIN 4,5)
System line parameters	
Protocol	CORNET 2
Connection	2 wires

Type of connector	RJ-45 (PIN 4,5)
GSM parameters	
GSM band	GSM 900 / 1 800, GSM 850 / 1 900
Voice transmission	EFR, FR (enhanced full rate, full rate)
Receiver sensitivity	104 dBm
Transmitter power	2 W during pulse
SMS support	Receive and send
SIM card	Small, 3 V
Antenna connector	SMA
ISDN S0 parameters	
Interface type	S0 - TE - For connection to public network
Protocol	DSS1 – EURO ISDN (w / o power supply)
Connector for public network	P-MP (point - multipoint) – supports MSN, configurable for connecting P-P (point - point) – supports DDI
Connection	4-wire (optional, terminated 2 x 100 Ω)
Type of connector	RJ-45 (PIN 4,5 – 3,6)
VoIP	
Voice channels	VoIP → PBX 8
Fax	T.38
Codecs	G.711, G.723, G.729 (Annex A, B)
Echo canceler	G.168-2002



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