

## **wienet** VPN Industrial Router – unlimited M2M communication

### Functionality which convinces

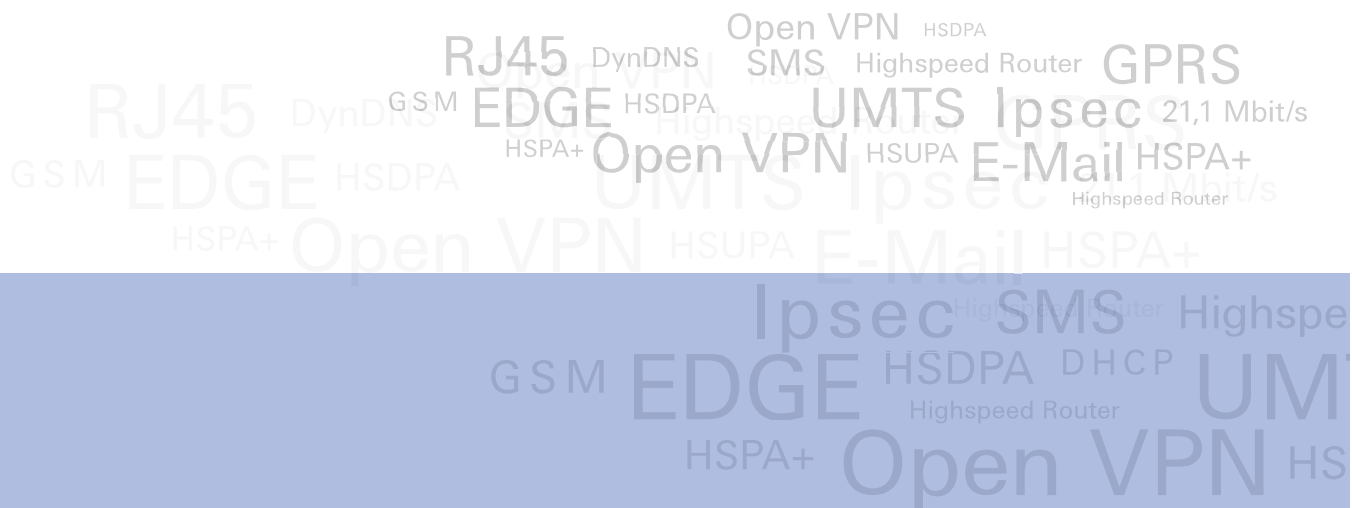
Whether it is about the control of machines, monitoring of production lines or the co-ordination of all production areas a permanent communication between devices is needed to complete such a complex task. Access to stored data using wireless networks is not always possible or safe. Now Wieland offers with its modern router technology the possibility of completing such complex tasks. For example control commands, level indicators or video signals can now be transmitted. At download speeds of up to 100 Mbit/s and upload speeds of up to 50 Mbit/s (depending on the network operator) the **wienet** VPN industrial router is sure to cover the available connectivity options of GPRS up to LTE. With automatic login **wienet** VPN industrial router will always access the fastest available connection.

Each router has its own IP address and can be configured through the integrated web interface.

It supports services such as DHCP, NAT and DynDNS. The routers communicate directly or via the control panel to open a secure VPN connection. The establishment of an IPSec encrypted tunnel is alternatively possible.

**wienet** VPN routers are ideal components for industrial use in conjunction with VPN-service portals, such as Wie-Service24.

With the arrangement of the ports on the front-panel and a standard USB port, the **wienet** VPN industrial router are extremely user friendly. A clear statistic of mobile connections is used for better control. Optionally, the devices are available with a second SIM card slot, additional I/O, RS-232, RS-422/RS-485, M-Bus, second Ethernet interface, Wi-Fi module or integrated 3 port switch.



# Industrial Mobile Router – GSM/GPRS/EDGE

## EDGE mobile router „Basic“ wienet EDGE ER75i v2

- 1x SIM-card-slot
- 1x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>EDGE mobile router basic version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet EDGE ER75iv2</b>	-	-	83.041.0000.1	83.041.0000.0
<b>wienet EDGE ER75iv2 RS232</b>	RS-232	-	83.041.0001.1	-
<b>wienet EDGE ER75iv2 RS485/422</b>	RS-485/422	-	83.041.0002.1	-
<b>wienet EDGE ER75iv2 MBUS</b>	M-Bus	-	83.041.0003.1	-
<b>wienet EDGE ER75iv2 CNT</b>	4DI, 2DO, 2AI	-	83.041.0004.1	83.041.0004.0
<b>wienet EDGE ER75iv2 ETH</b>	Ethernet	-	83.041.0005.1	83.041.0005.0

Technical Data		
Housing	Aluminium	Plastic
Dimensions (mm) W x H x D	42 x 113 x 81	42 x 113 x 76
Weight	280 g	220 g
Transmission	GSM/GPRS/EDGE (Class 10)	
Frequency bands	850/900/1800/1900 MHz	
SIM-card-slots	1	
RJ45-extension-ports	1	
Interfaces	Ethernet 10/100 Mbit/s; USB 2.0 Type A (Host); 1x Digital In / 1x Digital Out	
Max. Download/Upload	236 Kbit/s / 118,4 Kbit/s	
VPN-Client for encrypted connection to the control center	IPSec Client/Server; OpenVPN Client/Server; L2TP; PPTP	
Mounting	DIN-rail or table	
Operating voltage	10 - 30 V DC	
Operating temperature	-30 ... +60°C	
Antenna	External GSM-antenna (SMA - 50 Ohm)	
Approvals	CE	
Norms	EN 301 511, v 9.0.2; EN 301 908-1&2, v 3.2.1; ETSI EN 301 489-1 V1.8.1; EN 60950-1:06 ed. 2 + A11:09	

Functions		
Support of NAT/PAT and X.509		
Firewall (SPI)		
VPN: OpenVPN, IPsec, L2TP, GRE		
Easy web interface, DHCP, DynDNS, VRRP; Dial-in		
Router-control by SMS		
Comprehensive mobile statistic options		
Data volume-/roaming-control by SMS		
Status information by SNMP and SMS		
Status by LED		
FTP		
Linux based Operating System: ability to integrate their own applications		

## EDGE mobil router „Full“ wienet EDGE ER75i v2f SL

- 2x SIM-card-slot
- 2x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>EDGE mobil router full version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet EDGE ER75iv2f SL</b>	-	-	83.041.0100.1	-
<b>wienet EDGE ER75iv2f SL RS232</b>	RS-232	-	83.041.0101.1	-
<b>wienet EDGE ER75iv2f SL RS485/422</b>	RS-485/422	-	83.041.0102.1	-
<b>wienet EDGE ER75iv2f SL MBUS</b>	M-Bus	-	83.041.0103.1	-
<b>wienet EDGE ER75iv2f SL IO</b>	IO	-	83.041.0104.1	-
<b>wienet EDGE ER75iv2f SL ETH</b>	ETH	-	83.041.0105.1	-
<b>wienet EDGE ER75iv2f SL WIFI</b>	-	WI-FI/WLAN	83.041.0106.1	-
<b>wienet EDGE ER75iv2f SL RS232 RS232</b>	RS-232	RS-232	83.041.0111.1	-
<b>wienet EDGE ER75iv2f SL RS485 RS232</b>	RS-485/422	RS-232	83.041.0112.1	-
<b>wienet EDGE ER75iv2f SL MBUS RS232</b>	M-Bus	RS-232	83.041.0113.1	-
<b>wienet EDGE ER75iv2f SL CNT RS232</b>	IO	RS-232	83.041.0114.1	-
<b>wienet EDGE ER75iv2f SL ETH RS232</b>	ETH	RS-232	83.041.0115.1	-
<b>wienet EDGE ER75iv2f SL RS485 RS485</b>	RS-485/422	RS-485/422	83.041.0122.1	-
<b>wienet EDGE ER75iv2f SL MBUS RS485</b>	M-Bus	RS-485/422	83.041.0123.1	-
<b>wienet EDGE ER75iv2f SL CNT RS485</b>	IO	RS-485/422	83.041.0124.1	-
<b>wienet EDGE ER75iv2f SL ETH RS485</b>	ETH	RS-485/422	83.041.0125.1	-
<b>wienet EDGE ER75iv2f SL RS232 WIFI</b>	RS-232	WI-FI/WLAN	83.041.0161.1	-
<b>wienet EDGE ER75iv2f SL RS485 WIFI</b>	RS-485/422	WI-FI/WLAN	83.041.0162.1	-
<b>wienet EDGE ER75iv2f SL MBUS WIFI</b>	M-Bus	WI-FI/WLAN	83.041.0163.1	-
<b>wienet EDGE ER75iv2f SL CNT WIFI</b>	IO	WI-FI/WLAN	83.041.0164.1	-
<b>wienet EDGE ER75iv2f SL ETH WIFI</b>	ETH	WI-FI/WLAN	83.041.0165.1	-
<b>wienet EDGE ER75iv2f SL 3P</b>	3-port Switch	3-port Switch	83.041.0199.1	-

Technical Data		
SIM-card-slots	2	
RJ45-extension-ports	2	
Further technical data see basic version		

Functions		
see basic version		

# Industrial Mobile Router – UMTS

## UMTS mobil router „Basic“ wienet UMTS UR5 v2

- 1x SIM-card-slot
- 1x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>UMTS mobile router basic version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet UMTS UR5v2</b>	-	-	83.041.0020.1	83.041.0020.0
<b>wienet UMTS UR5v2 RS232</b>	RS-232	-	83.041.0021.1	-
<b>wienet UMTS UR5v2 RS485/422</b>	RS-485/422	-	83.041.0022.1	-
<b>wienet UMTS UR5v2 MBUS</b>	M-Bus	-	83.041.0023.1	-
<b>wienet UMTS UR5v2 CNT</b>	4DI, 2DO, 2AI	-	83.041.0024.1	-
<b>wienet UMTS UR5v2 ETH</b>	Ethernet	-	83.041.0025.1	83.041.0025.0

### Technical Data

Housing	Aluminium	Plastic
Dimensions (mm) W x H x D	42 x 113 x 81	42 x 113 x 76
Weight	280 g	220 g
Transmission	GSM/GPRS/EDGE/UMTS/HSDPA	
Frequency bands - Dual-Band	UMTS: 900/2100 MHz; GSM: 900/1800 MHz	
SIM-card-slots	1	
RJ45-extension-ports	1	
Interfaces	Ethernet 10/100 Mbit/s; USB 2.0 Type A (Host); 1x Digital In / 1x Digital Out	
Max. Download/Upload	3,6 Mbit/s / 384Kbit/s	
VPN-Client for encrypted connection to the control center	IPSec Client/Server; OpenVPN Client/Server; L2TP; PPTP	
Mounting	DIN-rail or table	
Operating voltage	10 - 30 V DC	
Operating temperature	-30 ... +60°C	
Antenna	External GSM-antenna (SMA - 50 Ohm)	
Approvals	CE	
Norms	EN 301 511, v 9.0.2; EN 301 908-1&2, v 3.2.1; ETSI EN 301 489-1 V1.8.1; EN 60950-1:06 ed. 2 + A11:09	

### Functions

Support of NAT/PAT and X.509  
 Firewall (SPI)  
 VPN: OpenVPN, IPsec, L2TP, GRE  
 Easy web interface, DHCP, DynDNS, VRRP; Dial-in  
 Router-control by SMS  
 Comprehensive mobile statistic options  
 Data volume-/roaming-control by SMS  
 Status information by SNMP and SMS  
 Status by LED  
 FTP  
 Linux based Operating System: ability to integrate their own applications

## UMTS mobile router „Full“ wienet UMTS UR5 v2f SL

- 2x SIM-card-slot
- 2x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>UMTS mobile router full version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet UMTS UR5v2f SL</b>	-	-	83.041.0200.1	-
<b>wienet UMTS UR5v2f SL RS232</b>	RS-232	-	83.041.0201.1	-
<b>wienet UMTS UR5v2f SL RS485/422</b>	RS-485/422	-	83.041.0202.1	-
<b>wienet UMTS UR5v2f SL MBUS</b>	M-Bus	-	83.041.0203.1	-
<b>wienet UMTS UR5v2f SL IO</b>	IO	-	83.041.0204.1	-
<b>wienet UMTS UR5v2f SL ETH</b>	ETH	-	83.041.0205.1	-
<b>wienet UMTS UR5v2f SL WIFI</b>	-	WI-FI/WLAN	83.041.0206.1	-
<b>wienet UMTS UR5v2f SL RS232 RS232</b>	RS-232	RS-232	83.041.0211.1	-
<b>wienet UMTS UR5v2f SL RS485 RS232</b>	RS-485/422	RS-232	83.041.0212.1	-
<b>wienet UMTS UR5v2f SL MBUS RS232</b>	M-Bus	RS-232	83.041.0213.1	-
<b>wienet UMTS UR5v2f SL CNT RS232</b>	IO	RS-232	83.041.0214.1	-
<b>wienet UMTS UR5v2f SL ETH RS232</b>	ETH	RS-232	83.041.0215.1	-
<b>wienet UMTS UR5v2f SL RS485 RS485</b>	RS-485/422	RS-485/422	83.041.0222.1	-
<b>wienet UMTS UR5v2f SL MBUS RS485</b>	M-Bus	RS-485/422	83.041.0223.1	-
<b>wienet UMTS UR5v2f SL CNT RS485</b>	IO	RS-485/422	83.041.0224.1	-
<b>wienet UMTS UR5v2f SL ETH RS485</b>	ETH	RS-485/422	83.041.0225.1	-
<b>wienet UMTS UR5v2f SL RS232 WIFI</b>	RS-232	WI-FI/WLAN	83.041.0261.1	-
<b>wienet UMTS UR5v2f SL RS485 WIFI</b>	RS-485/422	WI-FI/WLAN	83.041.0262.1	-
<b>wienet UMTS UR5v2f SL MBUS WIFI</b>	M-Bus	WI-FI/WLAN	83.041.0263.1	-
<b>wienet UMTS UR5v2f SL CNT WIFI</b>	IO	WI-FI/WLAN	83.041.0264.1	-
<b>wienet UMTS UR5v2f SL ETH WIFI</b>	ETH	WI-FI/WLAN	83.041.0265.1	-
<b>wienet UMTS UR5v2f SL 3P</b>	3-port Switch	3-port Switch	83.041.0299.1	-

### Technical Data

SIM-card-slots	2
RJ45-extension-ports	2
Further technical data see basic version	

### Functions

see basic version



# Industrial Mobile Router – HSPA+

## HSPA+ mobile router „Basic“ **wienet HSPA+ UR5i v2**

- 1x SIM-card-slot
- 1x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>HSPA+ mobile router basic version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet HSPA+ UR5iv2</b>	-	-	83.041.0040.1	83.041.0040.0
<b>wienet HSPA+ UR5iv2 RS232</b>	RS-232	-	83.041.0041.1	-
<b>wienet HSPA+ UR5iv2 RS485/422</b>	RS-485/422	-	83.041.0042.1	-
<b>wienet HSPA+ UR5iv2 MBUS</b>	M-Bus	-	83.041.0043.1	-
<b>wienet HSPA+ UR5iv2 CNT</b>	4DI, 2DO, 2AI	-	83.041.0044.1	-
<b>wienet HSPA+ UR5iv2 ETH</b>	Ethernet	-	83.041.0045.1	83.041.0045.0
<b>Technical Data</b>				
Housing	Aluminium	Plastic		
Dimensions (mm) W x H x D	42 x 113 x 81	42 x 113 x 76		
Weight	280 g	220 g		
Transmission	GSM/GPRS/EDGE/UMTS/HSDPA/HSPA+			
Frequency bands	Quad-Band UMTS (WCDMA): 850/900/1900/2100 MHz Quad-Band GSM/GPRS/EDGE: 850/900/1800/1900 MHz			
SIM-card-slots	1			
RJ45-extension-ports	1			
Interfaces	Ethernet 10/100 Mbit/s; USB 2.0 Type A (Host); 1x Digital In / 1x Digital Out			
Max. Download/Upload	21,1 Mbit/s / 5,7Mbit/s			
VPN-Client for encrypted connection to the control center	IPSec Client/Server; OpenVPN Client/Server; L2TP; PPTP			
Mounting	DIN-rail or table			
Operating voltage	10 - 30 V DC			
Operating temperature	-30 ... +60°C			
Antenna	External GSM-antenna (SMA - 50 Ohm)			
Approvals	CE			
Norms	EN 301 511, v 9.0.2; EN 301 908-1&2, v 3.2.1; ETSI EN 301 489-1 V1.8.1; EN 60950-1:06 ed. 2 + A11:09			
<b>Functions</b>				
Support of NAT/PAT and X.509				
Firewall (SPI)				
VPN: OpenVPN, IPsec, L2TP, GRE				
Easy web interface, DHCP, DynDNS, VRRP; Dial-in				
Router-control by SMS				
Comprehensive mobile statistic options				
Data volume-/roaming-control by SMS				
Status information by SNMP and SMS				
Status by LED				
FTP				
Linux based Operating System: ability to integrate their own applications				

## HSPA+ mobilfunkrouter „Full“ **wienet HSPA+ UR5i v2f SL**

- 2x SIM-card-slot
- 2x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>HSPA+ mobile router full version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet HSPA+ UR5iv2f SL</b>	-	-	83.041.0400.1	-
<b>wienet HSPA+ UR5iv2f SL RS232</b>	RS-232	-	83.041.0401.1	-
<b>wienet HSPA+ UR5iv2f SL RS485/422</b>	RS-485/422	-	83.041.0402.1	-
<b>wienet HSPA+ UR5iv2f SL MBUS</b>	M-Bus	-	83.041.0403.1	-
<b>wienet HSPA+ UR5iv2f SL IO</b>	IO	-	83.041.0404.1	-
<b>wienet HSPA+ UR5iv2f SL ETH</b>	ETH	-	83.041.0405.1	-
<b>wienet HSPA+ UR5iv2f SL WIFI</b>	-	WI-FI/WLAN	83.041.0406.1	-
<b>wienet HSPA+ UR5iv2f SL RS232 RS232</b>	RS-232	RS-232	83.041.0411.1	-
<b>wienet HSPA+ UR5iv2f SL RS485 RS232</b>	RS-485/422	RS-232	83.041.0412.1	-
<b>wienet HSPA+ UR5iv2f SL MBUS RS232</b>	M-Bus	RS-232	83.041.0413.1	-
<b>wienet HSPA+ UR5iv2f SL CNT RS232</b>	IO	RS-232	83.041.0414.1	-
<b>wienet HSPA+ UR5iv2f SL ETH RS232</b>	ETH	RS-232	83.041.0415.1	-
<b>wienet HSPA+ UR5iv2f SL RS485 RS485</b>	RS-485/422	RS-485/422	83.041.0422.1	-
<b>wienet HSPA+ UR5iv2f SL MBUS RS485</b>	M-Bus	RS-485/422	83.041.0423.1	-
<b>wienet HSPA+ UR5iv2f SL CNT RS485</b>	IO	RS-485/422	83.041.0424.1	-
<b>wienet HSPA+ UR5iv2f SL ETH RS485</b>	ETH	RS-485/422	83.041.0425.1	-
<b>wienet HSPA+ UR5iv2f SL RS232 WIFI</b>	RS-232	WI-FI/WLAN	83.041.0461.1	-
<b>wienet HSPA+ UR5iv2f SL RS485 WIFI</b>	RS-485/422	WI-FI/WLAN	83.041.0462.1	-
<b>wienet HSPA+ UR5iv2f SL MBUS WIFI</b>	M-Bus	WI-FI/WLAN	83.041.0463.1	-
<b>wienet HSPA+ UR5iv2f SL CNT WIFI</b>	IO	WI-FI/WLAN	83.041.0464.1	-
<b>wienet HSPA+ UR5iv2f SL ETH WIFI</b>	ETH	WI-FI/WLAN	83.041.0465.1	-
<b>wienet HSPA+ UR5iv2f SL 3P</b>	3-port Switch	3-port Switch	83.041.0499.1	-
<b>Technical Data</b>				
SIM-card-slots	2			
RJ45-extension-ports	2			
Further technical data see basic version				
<b>Functions</b>				
see basic version				

# Industrial Mobile Router – LTE 4G

## LTE mobile router 4G „Basic“ **wienet LTE LR77 v2 SL**

- 1x SIM-card-slot
- 1x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>LTE-Mobilfunkrouter 4G basic version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet LTE LR77v2</b>	-	-	83.041.0050.1	83.041.0050.0
<b>wienet LTE LR77v2 RS232</b>	RS-232	-	83.041.0051.1	-
<b>wienet LTE LR77v2 RS485/422</b>	RS-485/422	-	83.041.0052.1	-
<b>wienet LTE LR77v2 MBUS</b>	M-Bus	-	83.041.0053.1	-
<b>wienet LTE LR77v2 CNT</b>	4DI, 2DO, 2AI	-	83.041.0054.1	-
<b>wienet LTE LR77v2 ETH</b>	Ethernet	-	83.041.0055.1	83.041.0055.0

### Technical Data

Housing	Aluminium	Plastic
Dimensions (mm) W x H x D	42 x 113 x 81	42 x 113 x 76
Weight	280 g	220 g
Transmission	GSM/GPRS/EDGE/UMTS/HSDPA/HSPA+/LTE	
Frequency bands	LTE: 800/900/1800/2100/2600 MHz; UMTS: 900/2100 MHz; GSM/GPRS/EDGE: 900/1800/1900 MHz	
SIM-card-slots	1	
RJ45-extension-ports	1	
Interfaces	Ethernet 10/100 Mbit/s; USB 2.0 Type A (Host); 1x Digital In / 1x Digital Out	
Max. Download/Upload	100 Mbit/s / 50 Mbit/s	
VPN-Client for encrypted connection to the control center	IPSec Client/Server; OpenVPN Client/Server; L2TP; PPTP	
Mounting	DIN-rail or table	
Operating voltage	10 - 30 V DC	
Operating temperature	-30 ... +60°C	
Antenna	External GSM-antenna (SMA - 50 Ohm)	
Approvals	CE	
Norms	EN 301 511, v 9.0.2; EN 301 908-1&2, v 3.2.1; ETSI EN 301 489-1 V1.8.1; EN 60950-1:06 ed. 2 + A11:09	

### Functions

Support of NAT/PAT and X.509
Firewall (SPI)
VPN: OpenVPN, IPSec, L2TP, GRE
Easy web interface, DHCP, DynDNS, VRRP; Dial-in
Router-control by SMS
Comprehensive mobile statistic options
Data volume-/roaming-control by SMS
Status information by SNMP and SMS
Status by LED
FTP
Linux based Operating System: ability to integrate their own applications

## LTE mobile router 4G „Full“ **wienet LTE LR77 v2f SL**

- 2x SIM-card-slot
- 2x RJ45-Port extension
- Inclusive antenna
- Inclusive RJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>LTE mobile router 4G full version</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet LTE LR77v2f SL</b>	-	-	83.041.0500.1	-
<b>wienet LTE LR77v2f SL RS232</b>	RS-232	-	83.041.0501.1	-
<b>wienet LTE LR77v2f SL RS485/422</b>	RS-485/422	-	83.041.0502.1	-
<b>wienet LTE LR77v2f SL MBUS</b>	M-Bus	-	83.041.0503.1	-
<b>wienet LTE LR77v2f SL IO</b>	IO	-	83.041.0504.1	-
<b>wienet LTE LR77v2f SL ETH</b>	ETH	-	83.041.0505.1	-
<b>wienet LTE LR77v2f SL WIFI</b>	-	WI-FI/WLAN	83.041.0506.1	-
<b>wienet LTE LR77v2f SL RS232 RS232</b>	RS-232	RS-232	83.041.0511.1	-
<b>wienet LTE LR77v2f SL RS485 RS232</b>	RS-485/422	RS-232	83.041.0512.1	-
<b>wienet LTE LR77v2f SL MBUS RS232</b>	M-Bus	RS-232	83.041.0513.1	-
<b>wienet LTE LR77v2f SL CNT RS232</b>	IO	RS-232	83.041.0514.1	-
<b>wienet LTE LR77v2f SL ETH RS232</b>	ETH	RS-232	83.041.0515.1	-
<b>wienet LTE LR77v2f SL RS485 RS485</b>	RS-485/422	RS-485/422	83.041.0522.1	-
<b>wienet LTE LR77v2f SL MBUS RS485</b>	M-Bus	RS-485/422	83.041.0523.1	-
<b>wienet LTE LR77v2f SL CNT RS485</b>	IO	RS-485/422	83.041.0524.1	-
<b>wienet LTE LR77v2f SL ETH RS485</b>	ETH	RS-485/422	83.041.0525.1	-
<b>wienet LTE LR77v2f SL RS232 WIFI</b>	RS-232	WI-FI/WLAN	83.041.0561.1	-
<b>wienet LTE LR77v2f SL RS485 WIFI</b>	RS-485/422	WI-FI/WLAN	83.041.0562.1	-
<b>wienet LTE LR77v2f SL MBUS WIFI</b>	M-Bus	WI-FI/WLAN	83.041.0563.1	-
<b>wienet LTE LR77v2f SL CNT WIFI</b>	IO	WI-FI/WLAN	83.041.0564.1	-
<b>wienet LTE LR77v2f SL ETH WIFI</b>	ETH	WI-FI/WLAN	83.041.0565.1	-
<b>wienet LTE LR77v2f SL 3P</b>	3-port Switch	3-port Switch	83.041.0599.1	-

### Technical Data

SIM-card-slots	2
RJ45-extension-ports	2
Further technical data see basic version	

### Functions

see basic version



# Industrial Router – LAN-to-LAN

## LAN-to-LAN router **wienet LAN XR5i v2**

- inklusive 2xRJ45-Patch cable
- Inclusive DIN Rail clip
- Plastic or metal housing



Type	Port 1	Port 2	Part No.	Part No.
<b>LAN-to-LAN router</b>	Port 1	Port 2	Aluminium	Plastic
<b>wienet LAN XR5iv2 ETH</b>	Ethernet	-	83.041.0065.1	83.041.0065.0
<b>wienet LAN XR5iv2f SL ETH RS232</b>	Ethernet	RS-232	83.041.0071.1	-
<b>wienet LAN XR5iv2f SL ETH RS485</b>	Ethernet	RS-485	83.041.0072.1	-
<b>wienet LAN XR5iv2f SL RS232 WIFI</b>	RS-232	WI-FI/WLAN	83.041.0081.1	-
<b>wienet LAN XR5iv2f SL RS485 WIFI</b>	RS-485	WI-FI/WLAN	83.041.0082.1	-
<b>wienet LAN XR5iv2f SL MBUS WIFI</b>	M-Bus	WI-FI/WLAN	83.041.0083.1	-
<b>wienet LAN XR5iv2f SL IO WIFI</b>	4DI, 2DO, 2AI	WI-FI/WLAN	83.041.0084.1	-
<b>wienet LAN XR5iv2f SL ETH WIFI</b>	Ethernet	WI-FI/WLAN	83.041.0085.1	-
<b>Technical Data</b>				
Housing	Aluminium	Plastic		
Dimensions (mm) W x H x D	42 x 113 x 81	42 x 113 x 76		
Weight	280 g	220 g		
Transmission	LAN-to-LAN, WI-FI/WLAN			
RJ45-extension-ports	1 (basic version), 2 (full version)			
Interfaces	Ethernet 10/100 Mbit/s; USB 2.0 Typ A (Host); 1x Digital In / 1x Digital Out			
Max. Download/Upload	Fast Ethernet			
VPN-Client for encrypted connection to the control center	IPSec Client/Server; L2TP; PPTP			
Mounting	DIN-rail or table			
Operating voltage	10 - 30 V DC			
Operating temperature	-30 ... +60°C			
Approvals	CE			
Norms	ETSI EN 301 489-1 V1.8.1; EN 60950-1:06 ed. 2 + A11:09			
<b>Functions</b>				
Support of NAT/PAT and X.509				
Firewall (SPI)				
VPN: OpenVPN, IPsec, L2TP, GRE				
Easy web interface, DHCP, DynDNS, VRRP; Dial-in				
PPPoE - DSL-Modem Support				
Status by LED				
SNMP - Integration to the network management				
FTP				
Linux based Operating System: ability to integrate their own applications				

## Omnidirectional rod antenna **wienet GXS606**



Type	Part No.
<b>wienet GXS606</b>	83.041.0210.0
<b>Technical Data</b>	
Frequency bandwidth	GSM, GPRS, EDGE, UMTS
Connector	FME/F
Gain	2.2 dBi
Length of cable	5 m
Dimensions	Length of rod approx. 300 mm

## Top flat antenna **wienet GXR623**



Type	Part No.
<b>wienet GXR623</b>	83.041.0200.0
<b>Technical Data</b>	
Frequency bandwidth	GSM, GPRS, EDGE, UMTS
Connector	FME/F
Gain	2.2 dBi
Length of cable	2.5 m
Dimensions	approx. 75 x 80 x 13 mm

# VPN-Server „Wie-Service24“

## Additional VPN channels to VPN-server Wie-Service24

- Rent of additional VPN-tunnels to VPN-Server of Wieland Electric
- High availability of VPN connections
- Immediately usable
- Client access on the server



Type		Part No.
<b>wienet WIE-SERVICE24-EINZEL-R</b>	VPN-Router-Client	ZD.000.0011.0
<b>wienet WIE-SERVICE24-EINZEL-PC</b>	VPN-PC-Client	ZD.000.0011.1

Properties	
Security by VPN	
Automatic generation of router configurations	
Only outgoing connections to the VPN server Wie-Service24	
No changes in the local network needed	
Connection complete networks without additional route settings	

Contract data	
Calculation	12 months in advance
Termination	any time at the end of a month
Administration	Wieland Electric
Server hardware	Internet high-performance computing center

## Customer installation of the VPN server Wie-Service24

- Customer installation of the VPN server
- Administration on customer side
- High availability of VPN connections
- Customized layout possible



Type	Installation	Part No.
<b>wienet WIESERVICE24-VM</b>	Virtual machine "Oracle Virtual Box"	ZD.000.0012.0
<b>wienet WIESERVICE24-IPC SAVE</b>	On energy-saving PC hardware	ZD.000.0013.0
<b>wienet WIESERVICE24-IPC HIGH</b>	On High Performance 19 "PC	ZD.000.0014.0
<b>wienet WIESERVICE24-DC CUSTOM</b>	In customer data center	ZD.000.0015.0
<b>wienet WIESERVICE24-DC INTERN.</b>	In internet data center ("in the cloud")	ZD.000.0016.0

Properties	
Security by VPN	
Automatic generation of router configurations	
Only outgoing connections to the VPN server Wie-Service24	
No changes in the local network needed	
Connection complete networks without additional route settings	

Contract data	
Calculation	Fixed rate
Number of VPN connections	> 1000
Administration	customer
Server hardware	selectable



More security, more service, simply more

# Wie-Service24



Open VPN HSDPA  
 DynDNS SMS Highspeed Router GPRS  
 GSM EDGE HSDPA UMTS ipsec 21,1 Mbit/s  
 HSPA+ Open VPN HSUPA F-Mail HSPA+  
 GE HSDPA  
 + Open VPN



## A perfect team

The Wie-Service24 portal is optimized for the Wieland mobile and LAN-to-LAN router. It automatically generates the configuration of the router and provides it for download. By this automatic setup possible failures will be minimized. Wie-Service24 generates and categorizes certificates for Wieland router. It regulates within a bigger group who is able to communicate with who. The combination of Wie-Service24 and the Wieland router enable a fast commissioning and a highly secure VPN connection.

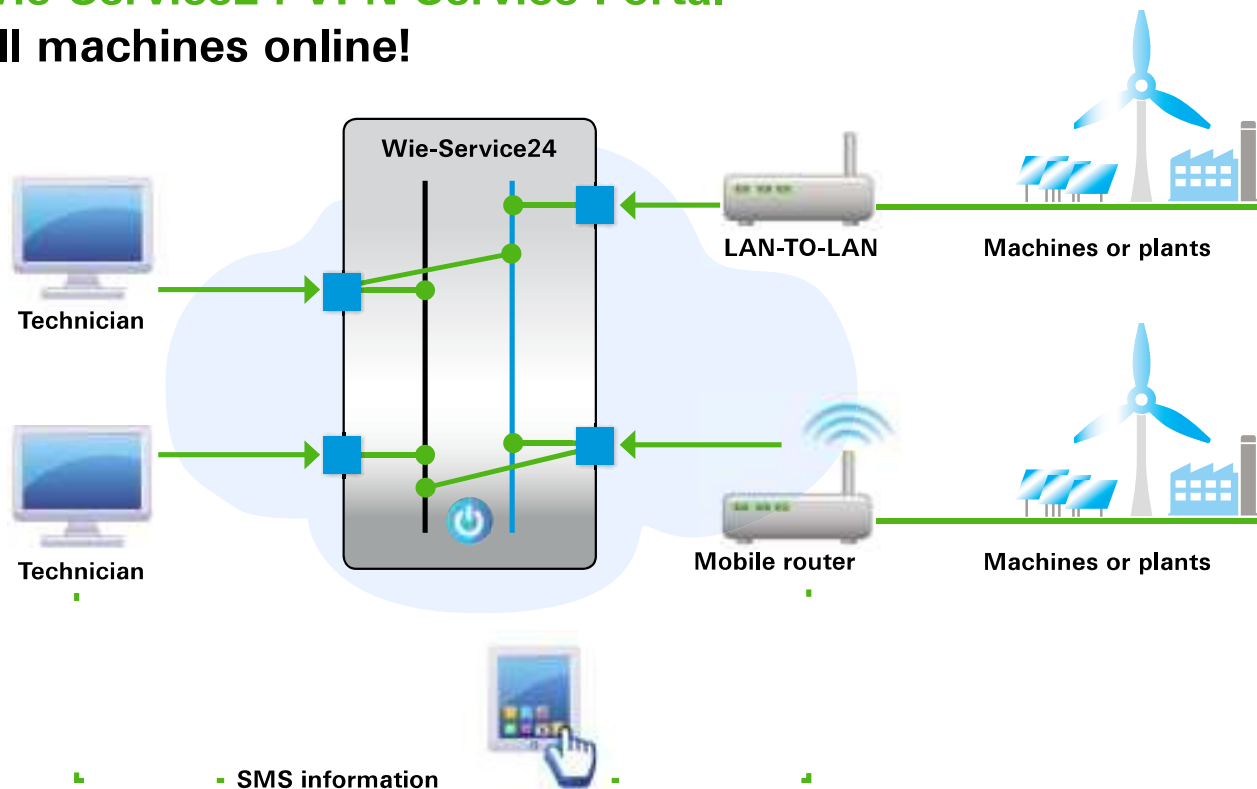
## Advantages

- Security by VPN
- Automatic generation of router configuration
- Only outgoing connections towards Wie-Service24 are necessary
- No changes inside the local network is necessary
- Interconnection of complete networks, without additional routing configuration
- Little coordination with IT department and easy commissioning
- Mobile access by Smartphone or tablet to all devices behind the router
- directRemote: Direct access with all internet browser by a clearly URL



# Wie-Service24 VPN Service Portal

## All machines online!



**The Wie-Service24 VPN service portal is available in different configurations:**

You can try the working with the VPN-server Wie-Service24 with up to 30 routers and one PC client for free. If you need further VPN clients you can rent more router and PC clients. We propose the installation of your own customer VPN server portal. Installation of the portal on a virtual machine, on an industrial PC, data center at customer site or a data center on an internet server.

	Single access	Virtual machine	Industrial PC	Data center Server at Customer	Data center Internet server
Part-No.	ZD.000.0011.0 (Router) ZD.000.0011.1 (PC-Client)	ZD.000.0012.0	ZD.000.0013.0 (Energy Saving) ZD.000.0014.0 (High Performance)	ZD.000.0015.0	ZD.000.0016.0
User access	•	•	•	•	•
Administrator access	–	•	•	•	•
Server hardware from	Wieland	Customer	Wieland	Customer	Provider
Internet connection by	Wieland	Customer	Customer	Customer	Provider
Installation by	Wieland	Customer or Wieland	Wieland	Wieland	Wieland



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